

FIG. 1A

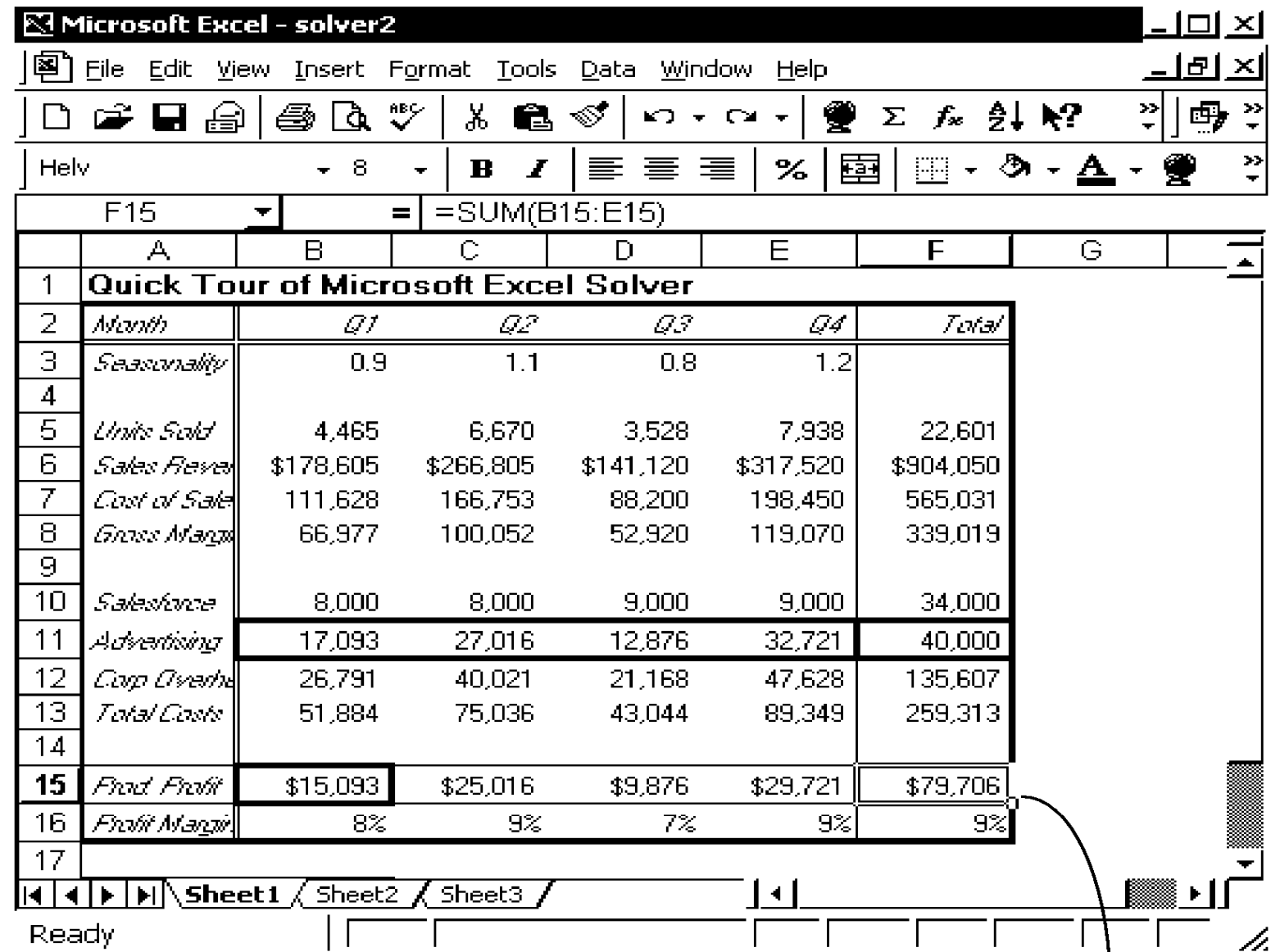


FIG. 1B

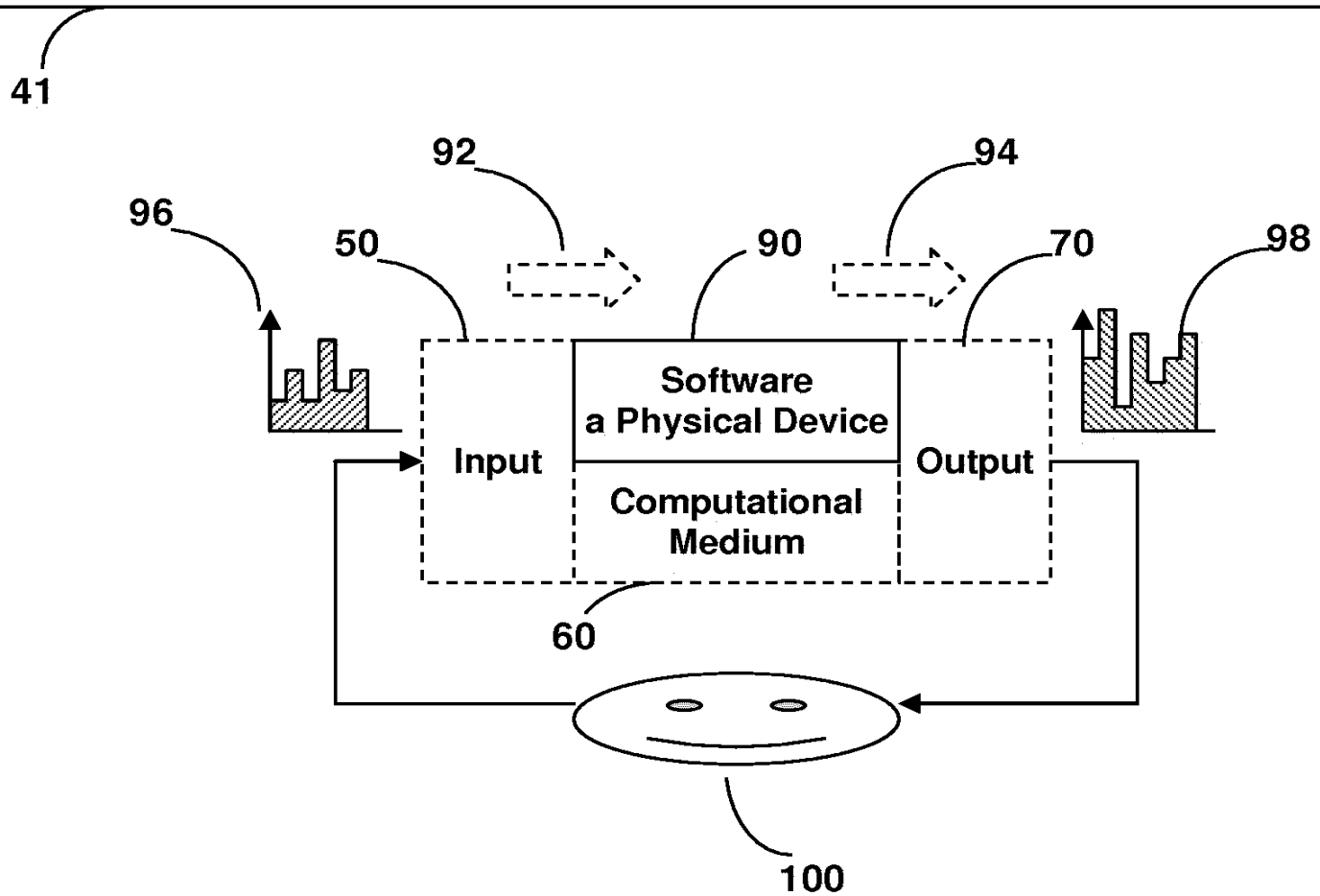
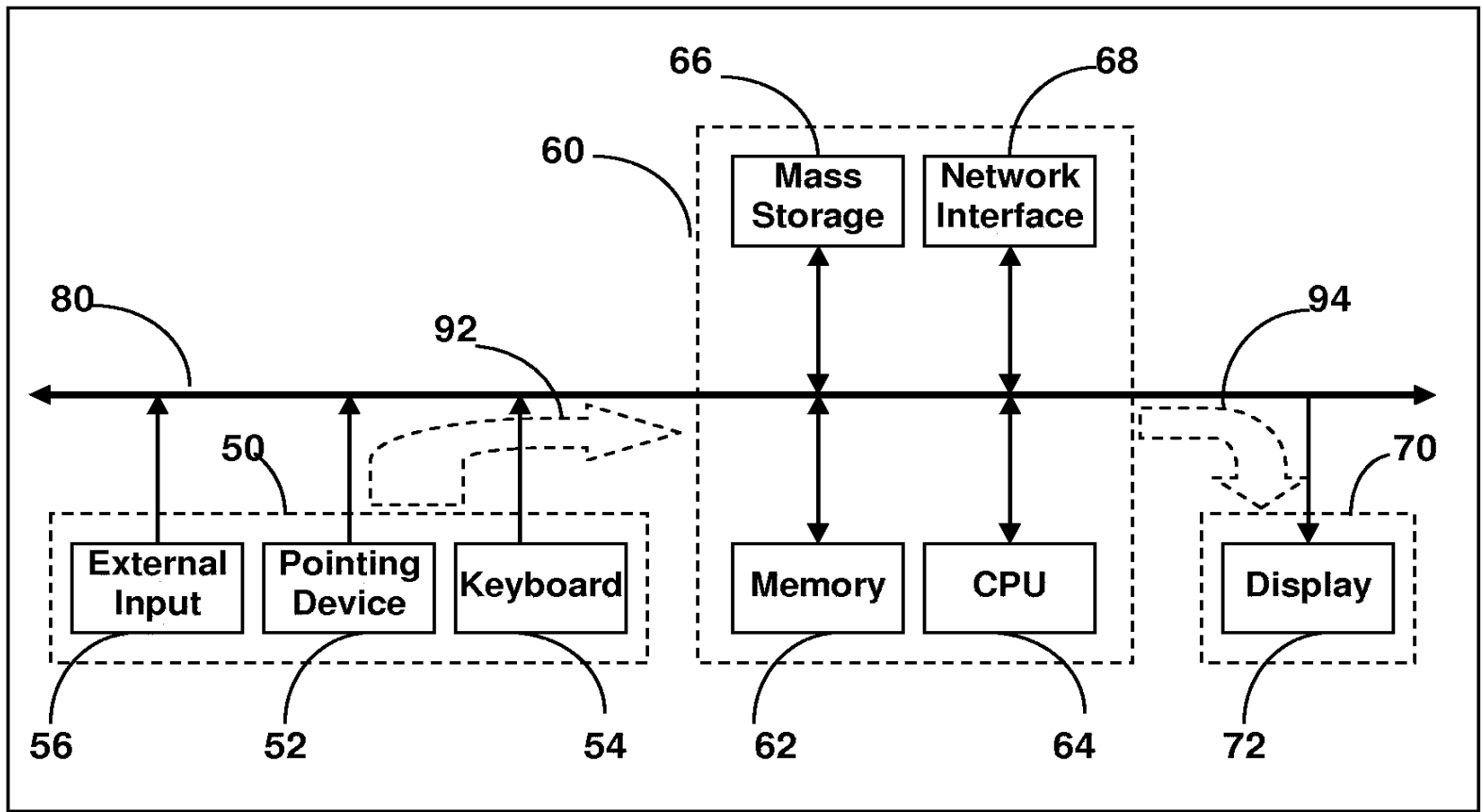
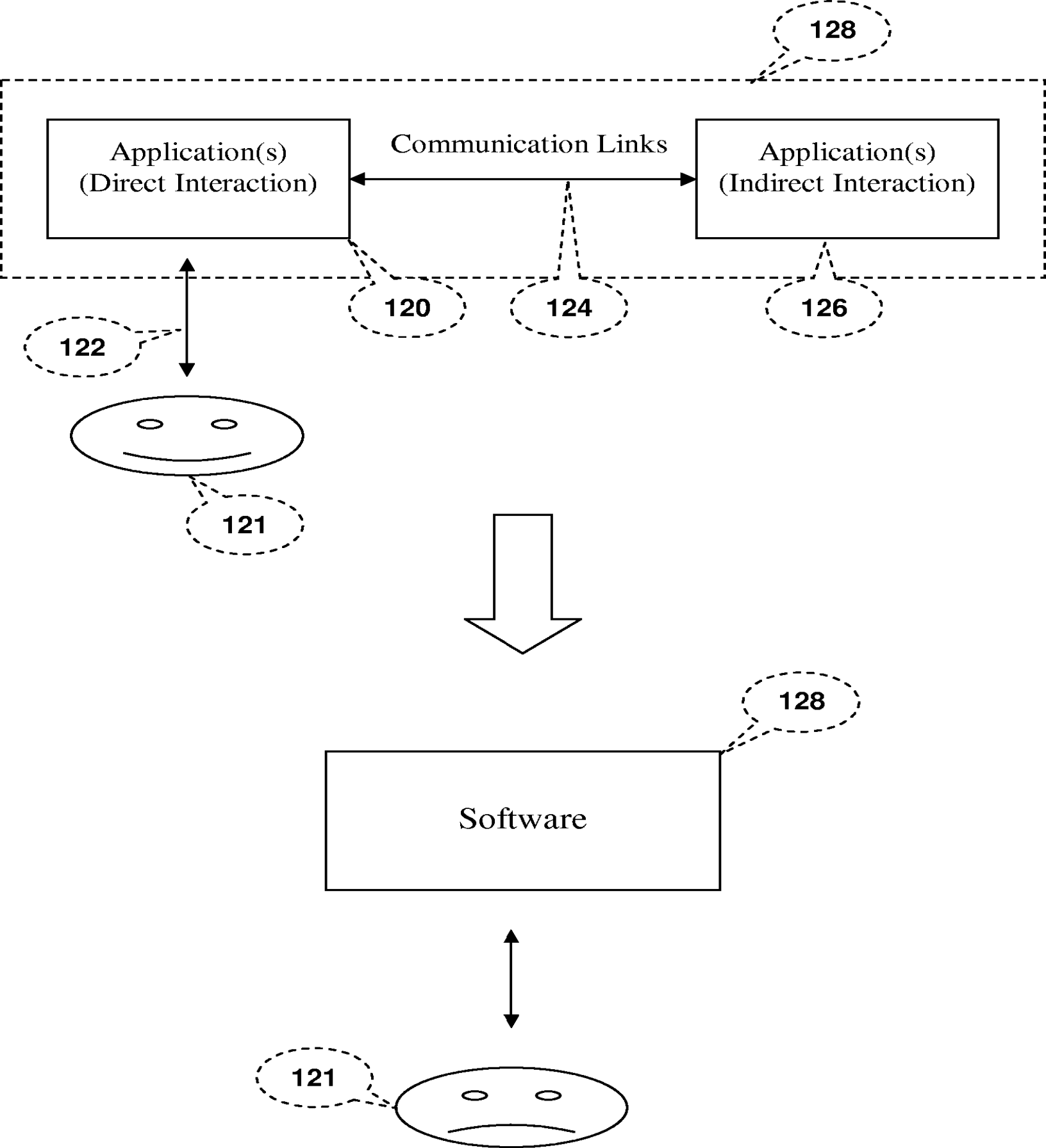


FIG. 1C



**FIG. 2A**

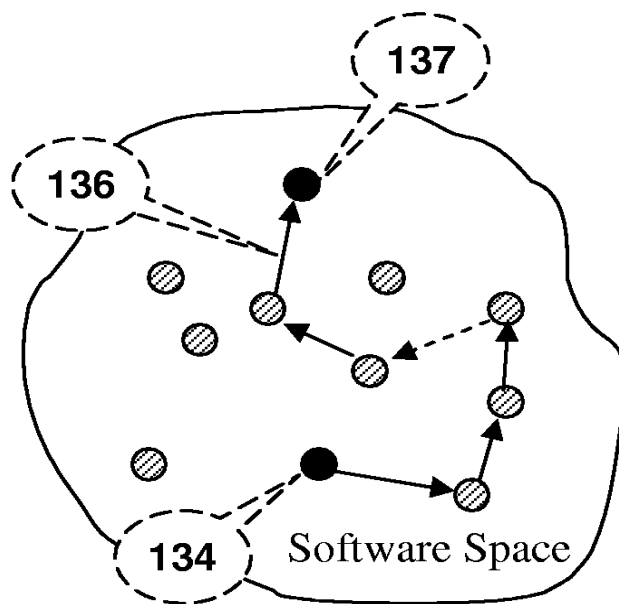
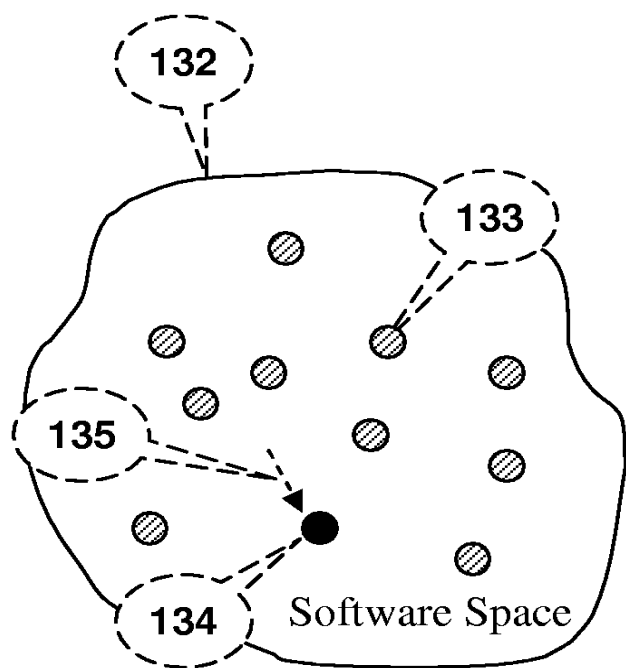
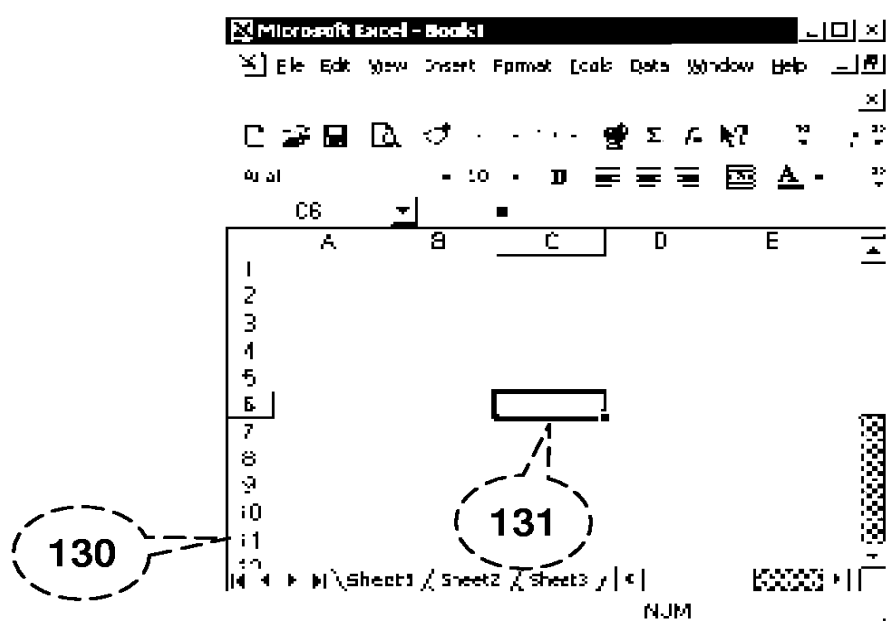
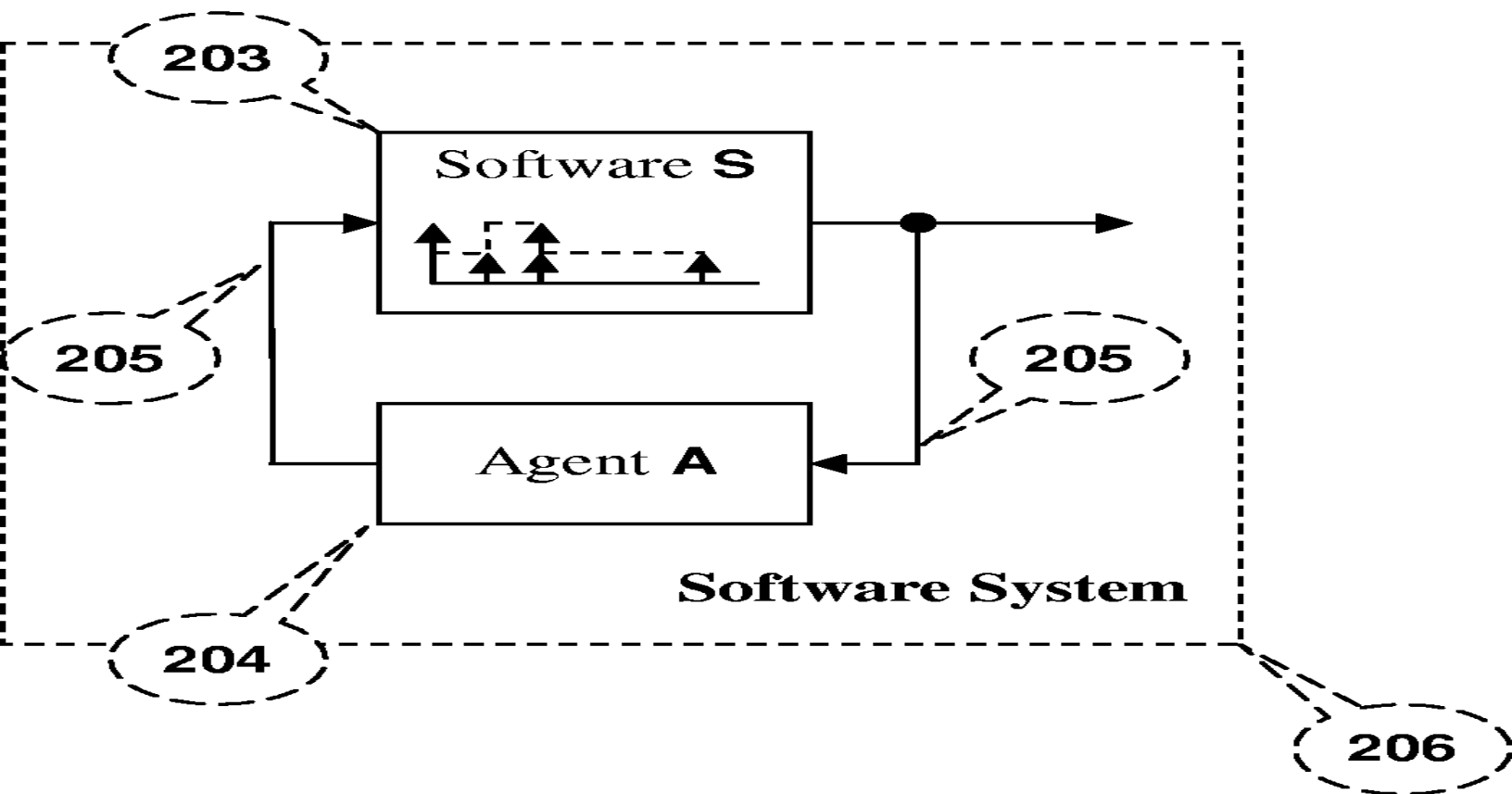
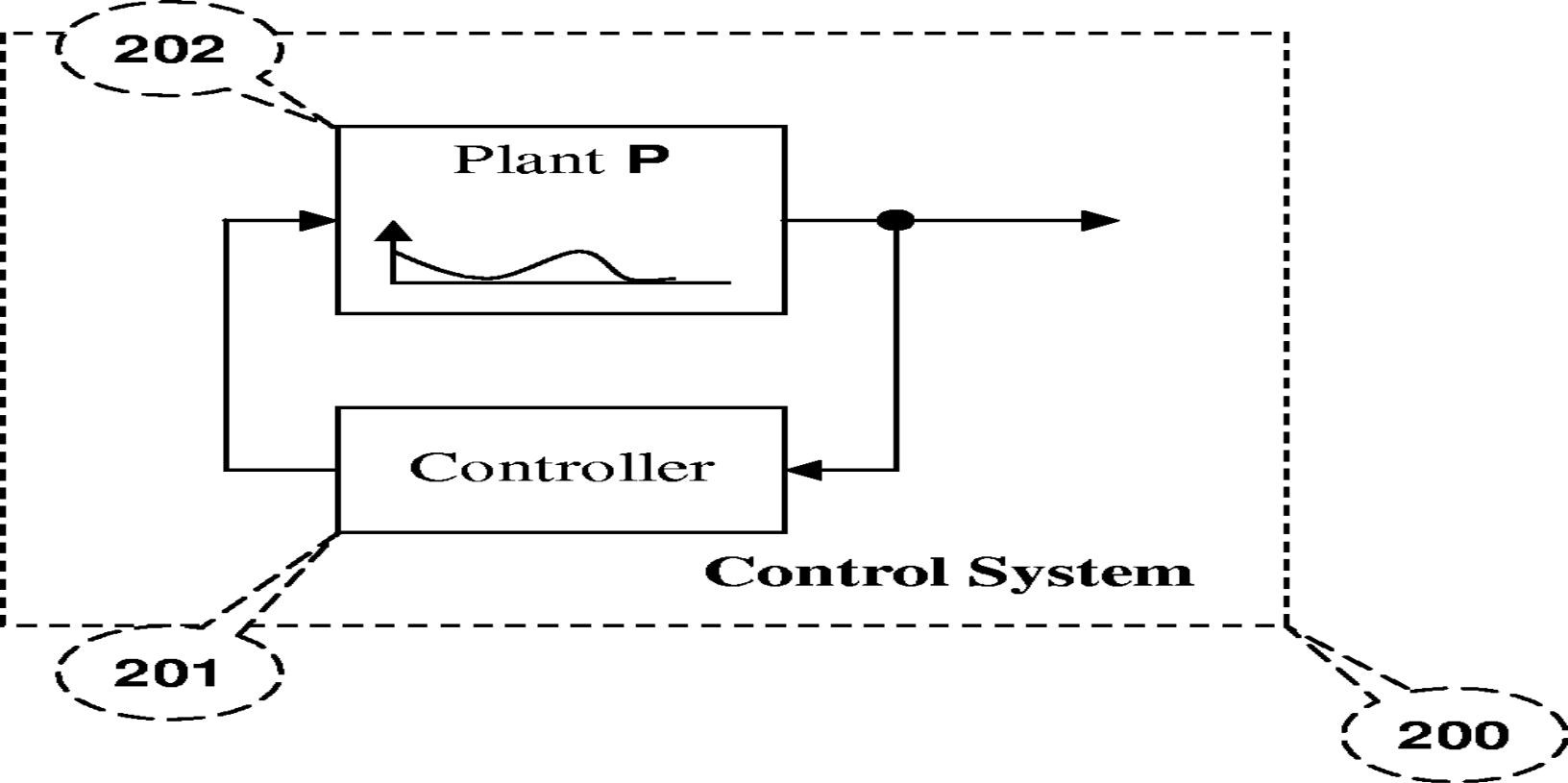


FIG. 2B



**FIG. 2C**

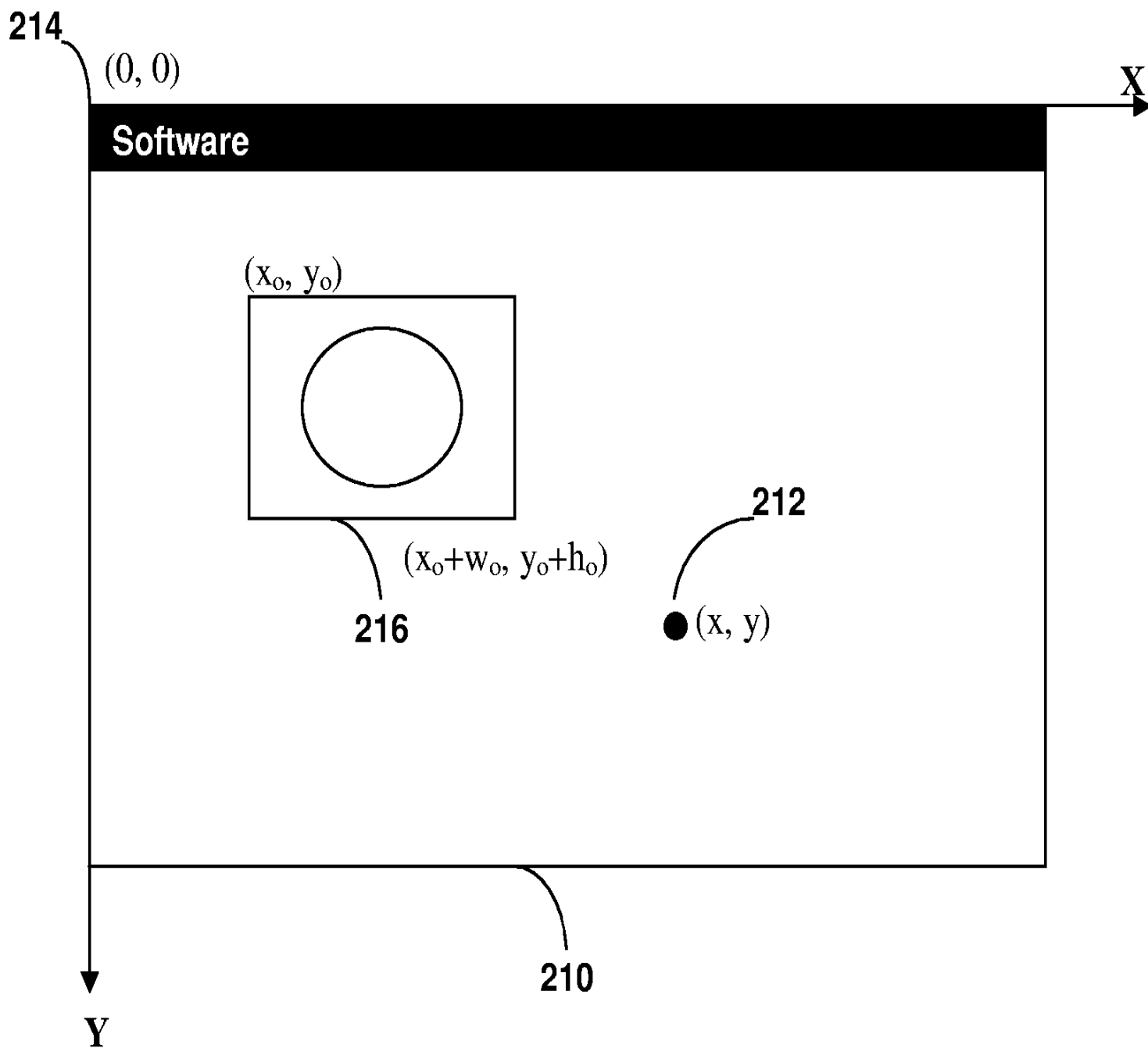
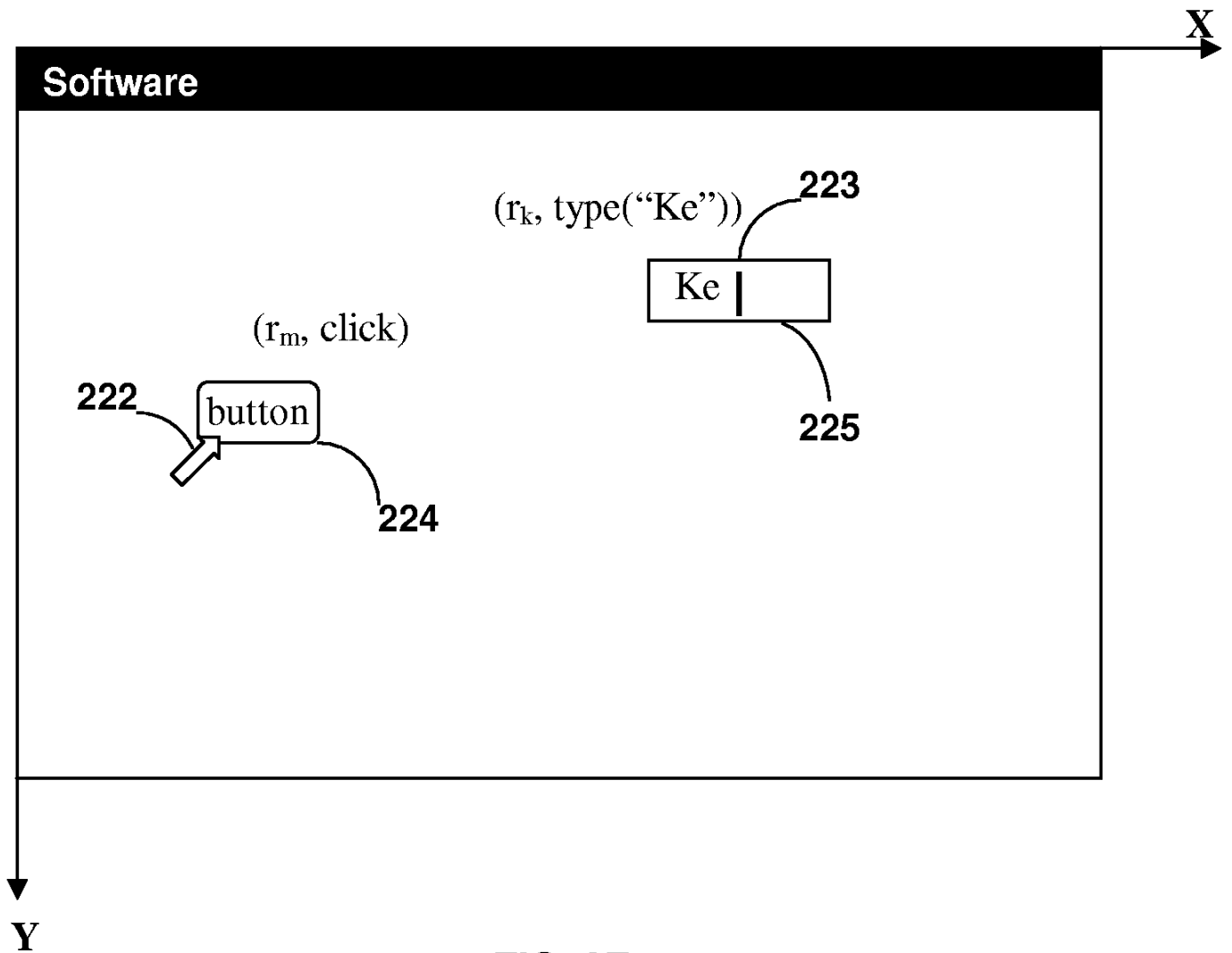
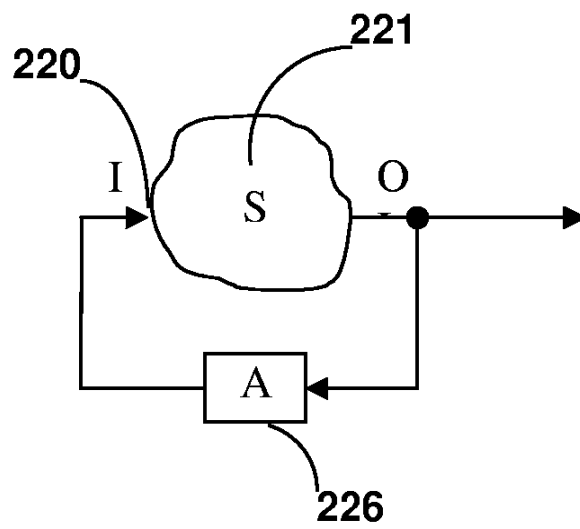


FIG. 2D



**FIG. 2E**



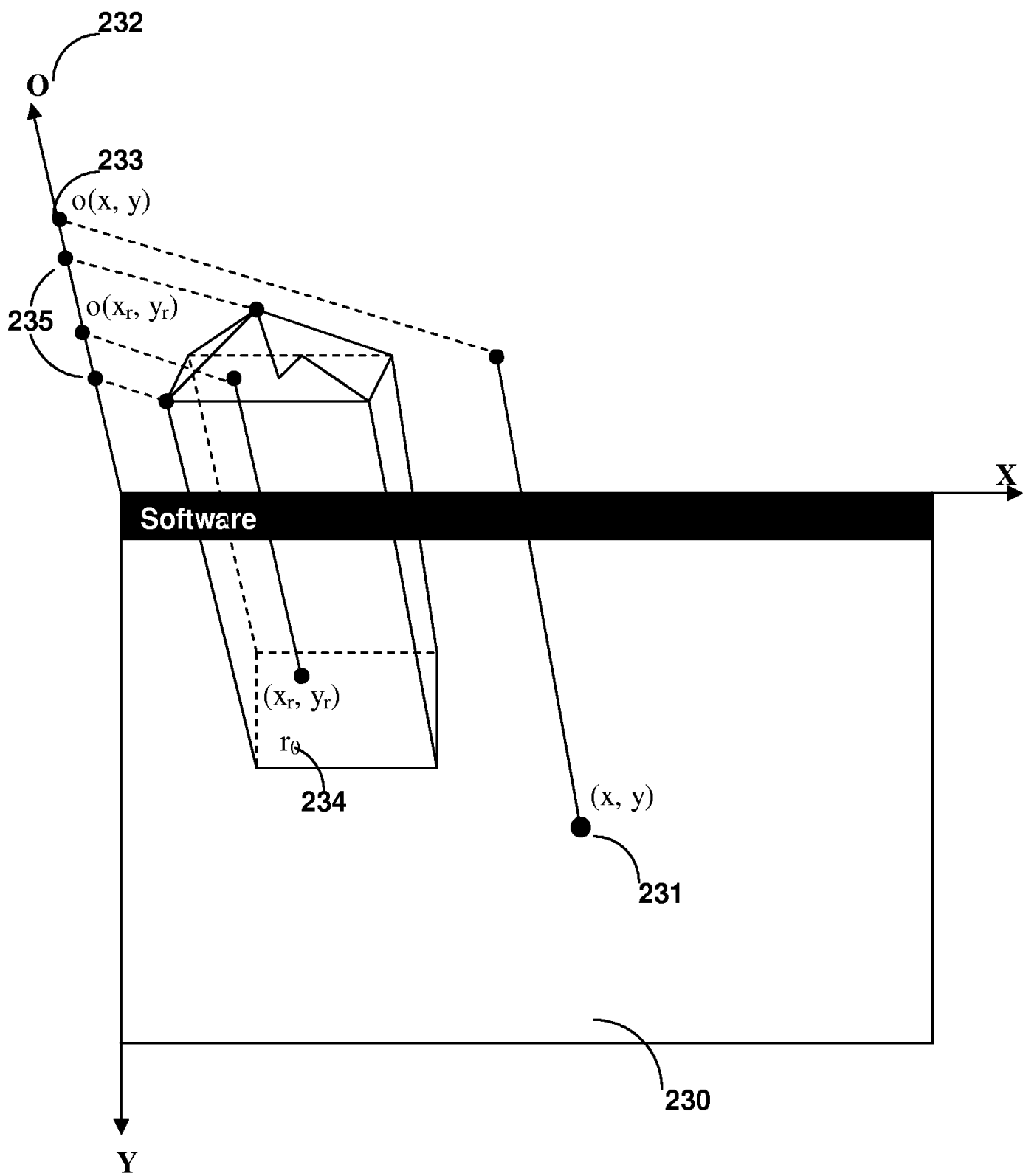


FIG. 2F

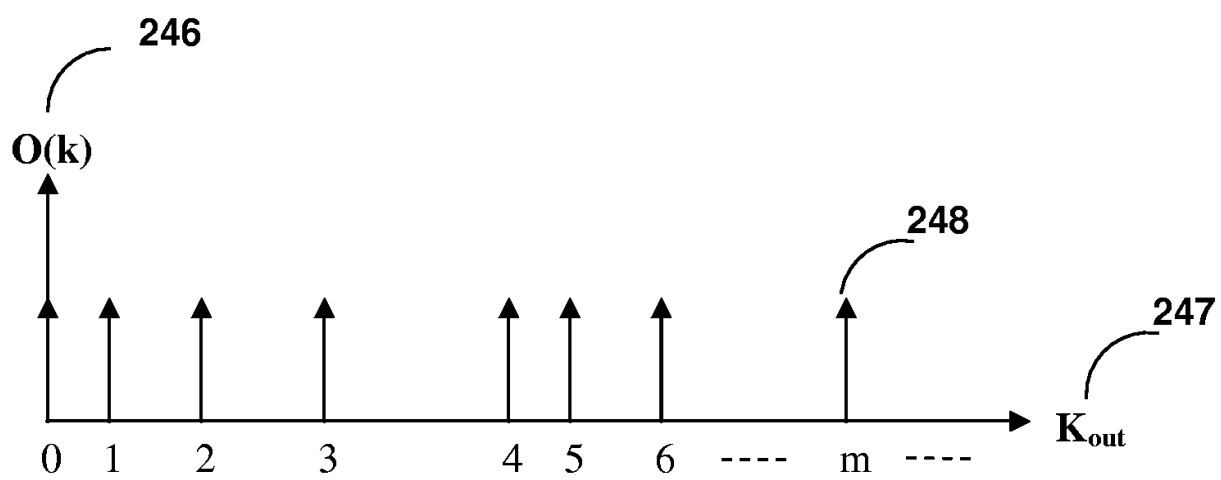
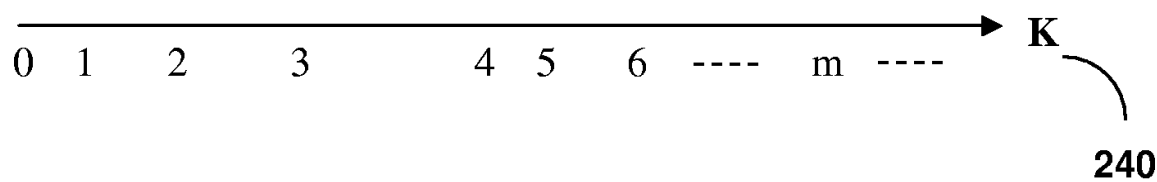
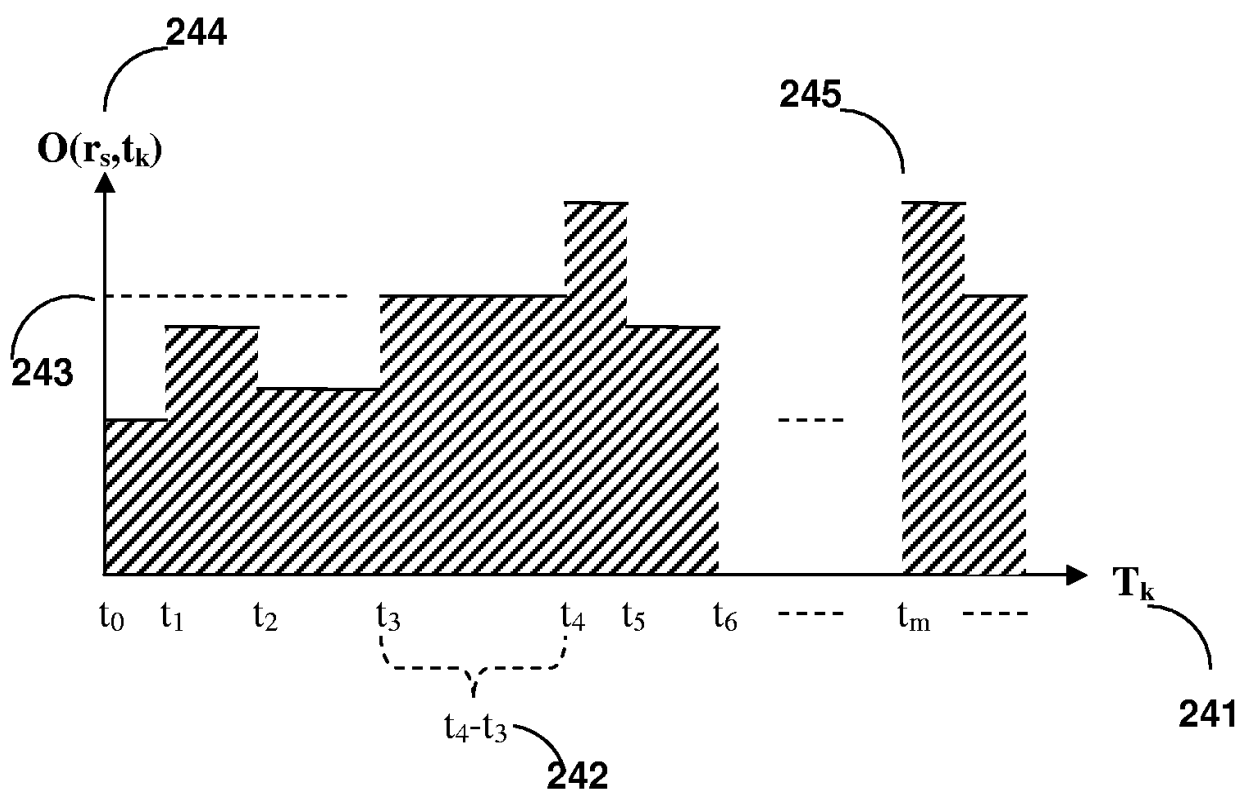


FIG. 2G

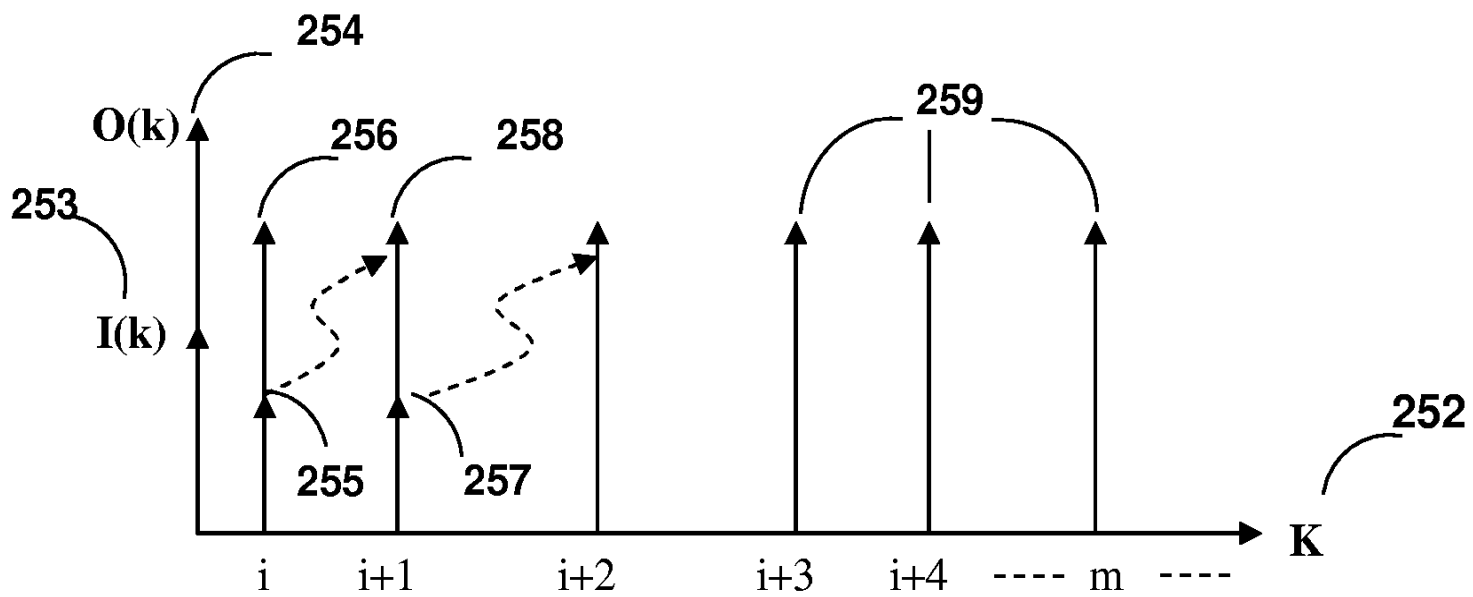
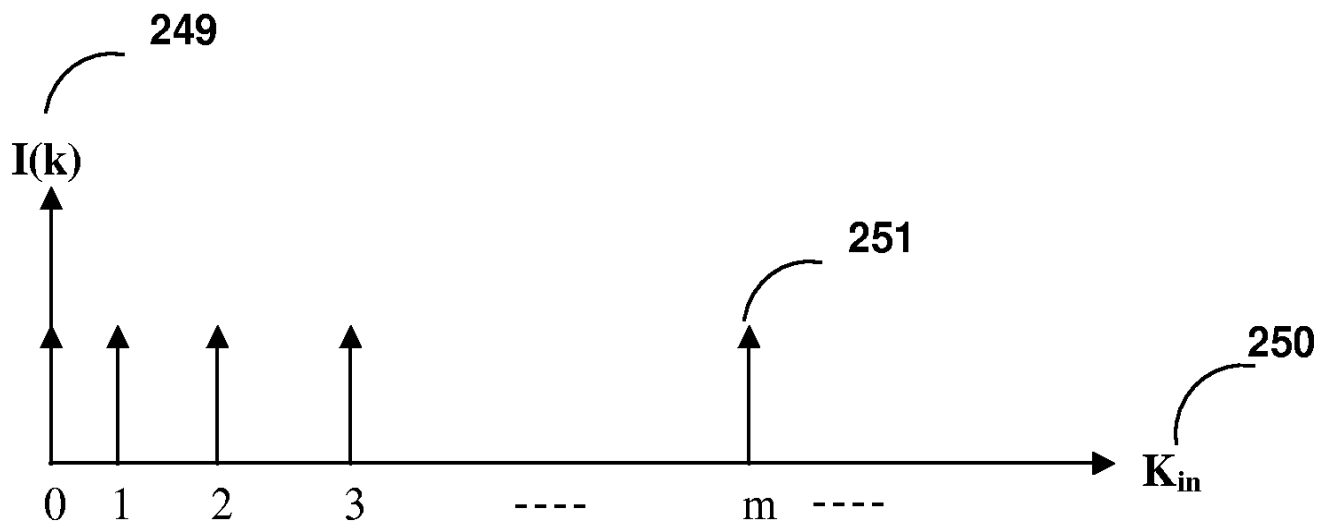
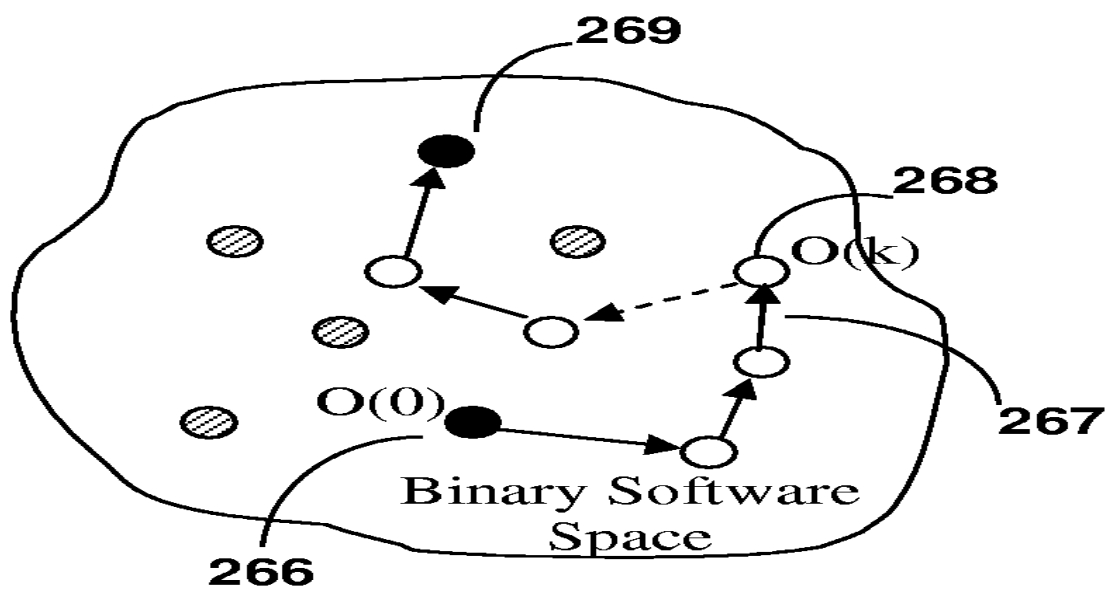
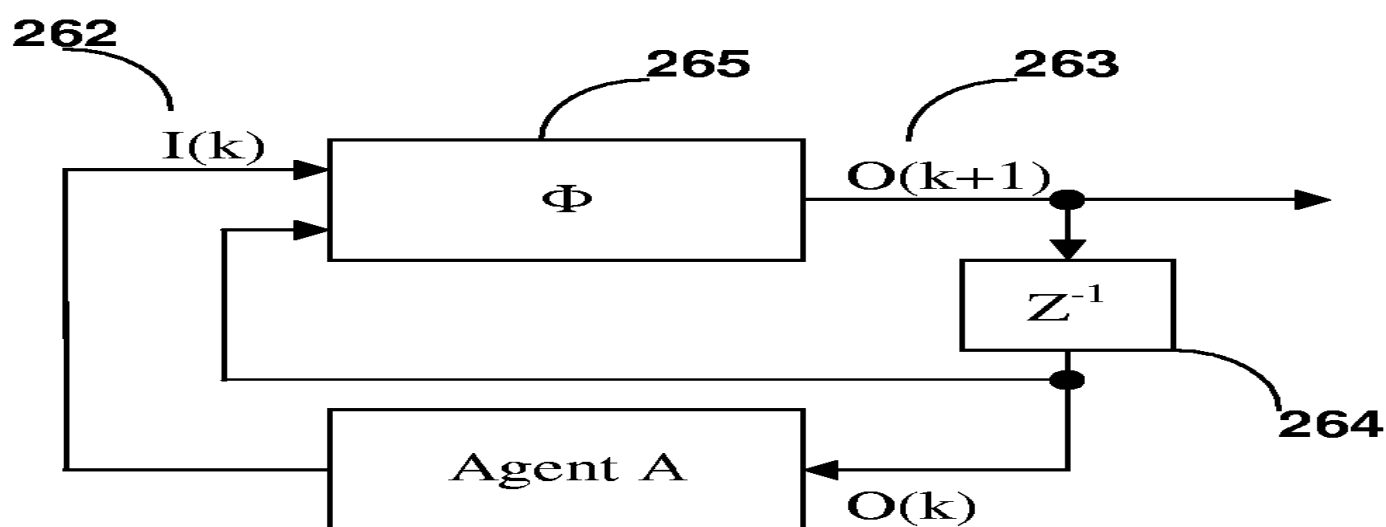
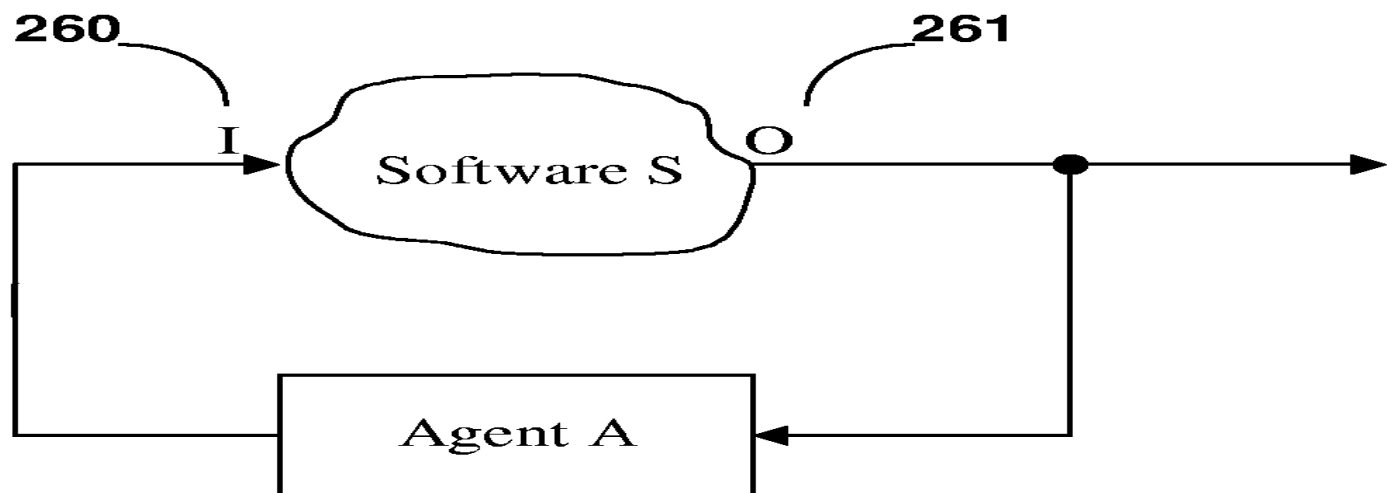


FIG. 2H



**FIG. 2I**

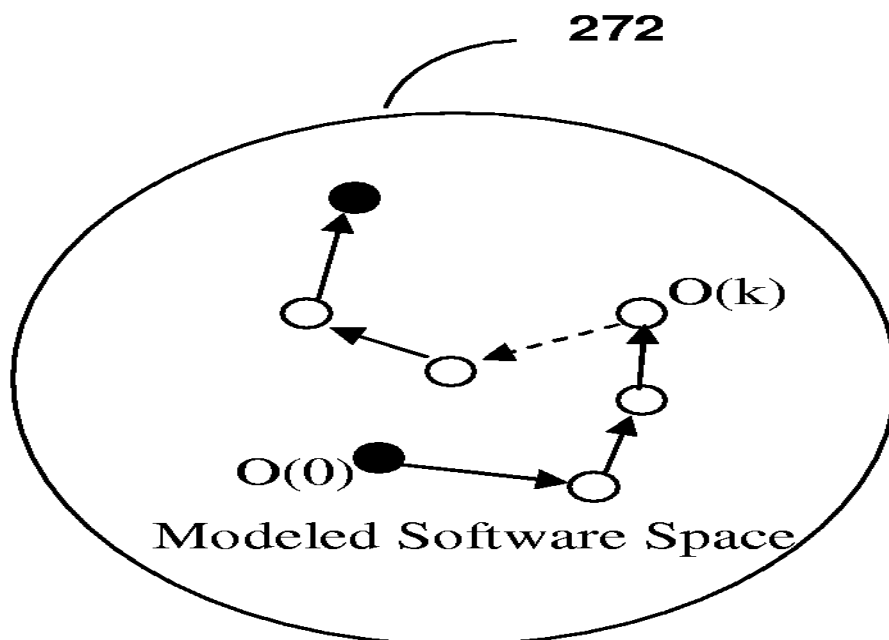
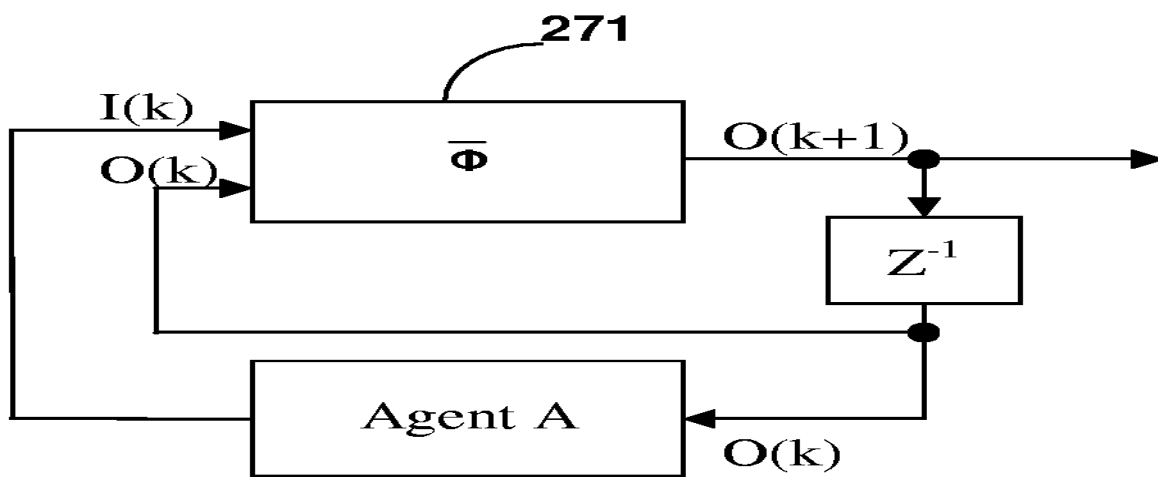
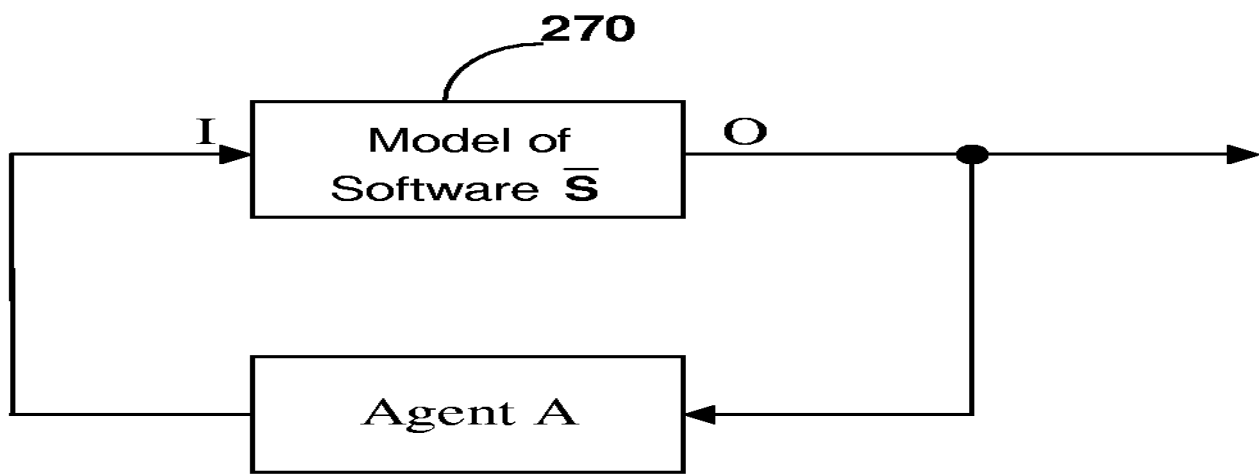


FIG. 2J

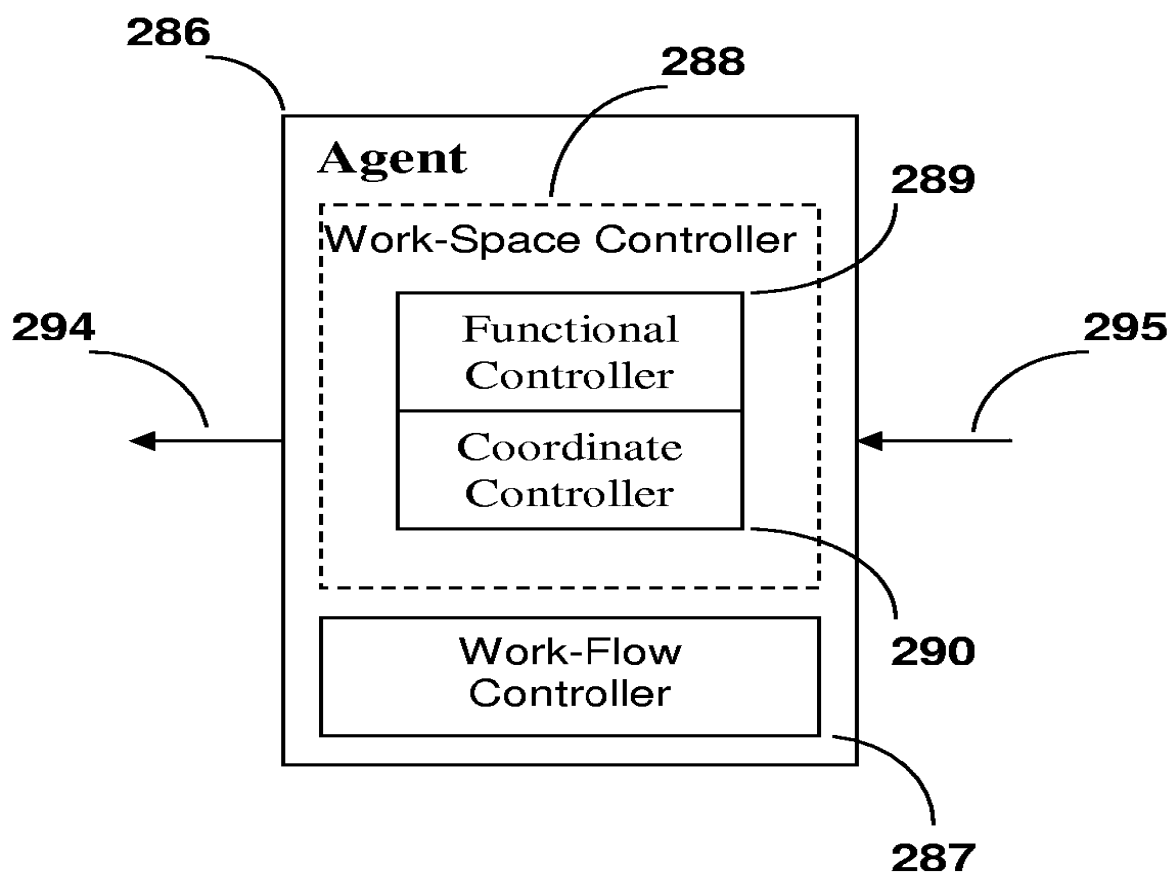
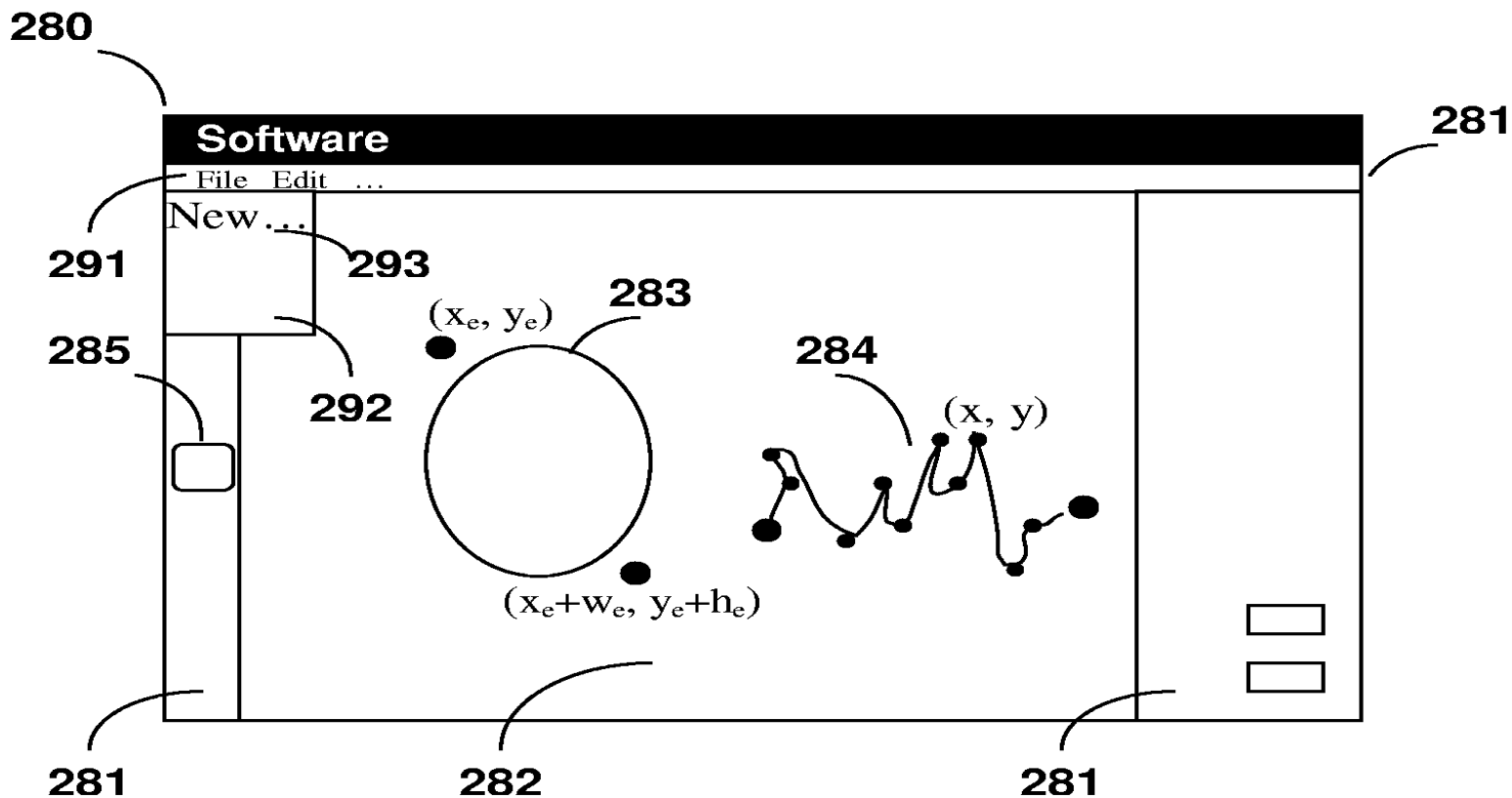
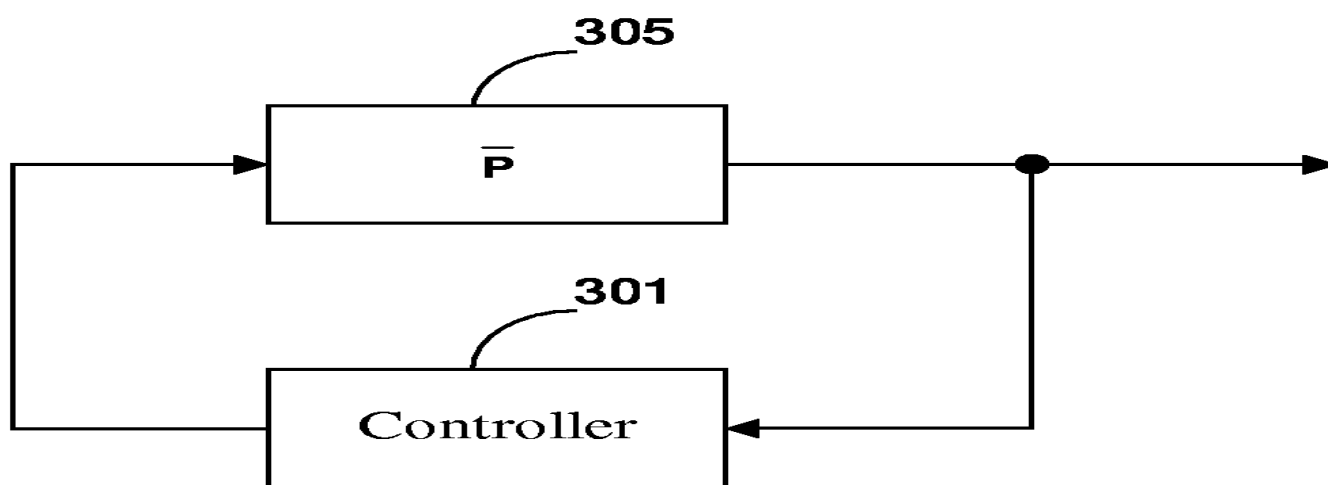
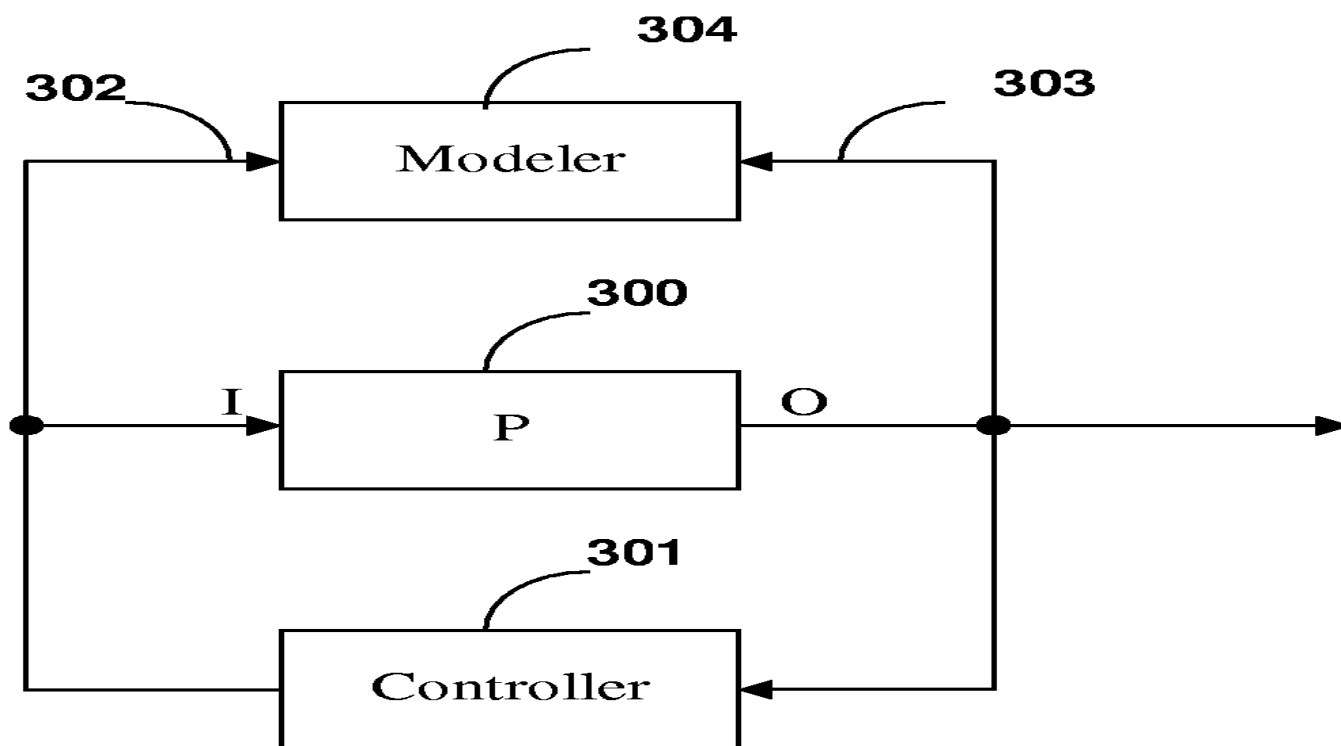
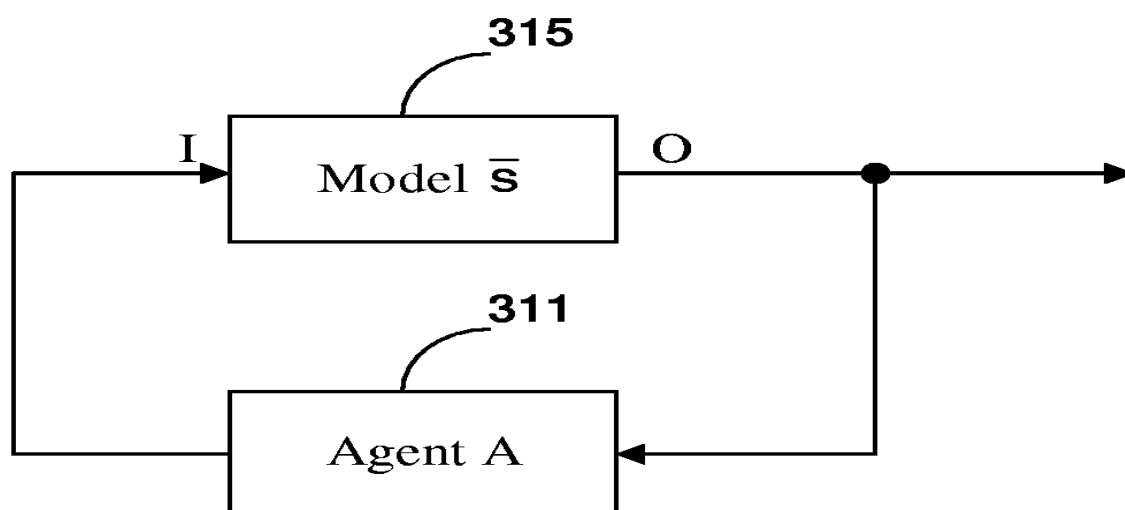
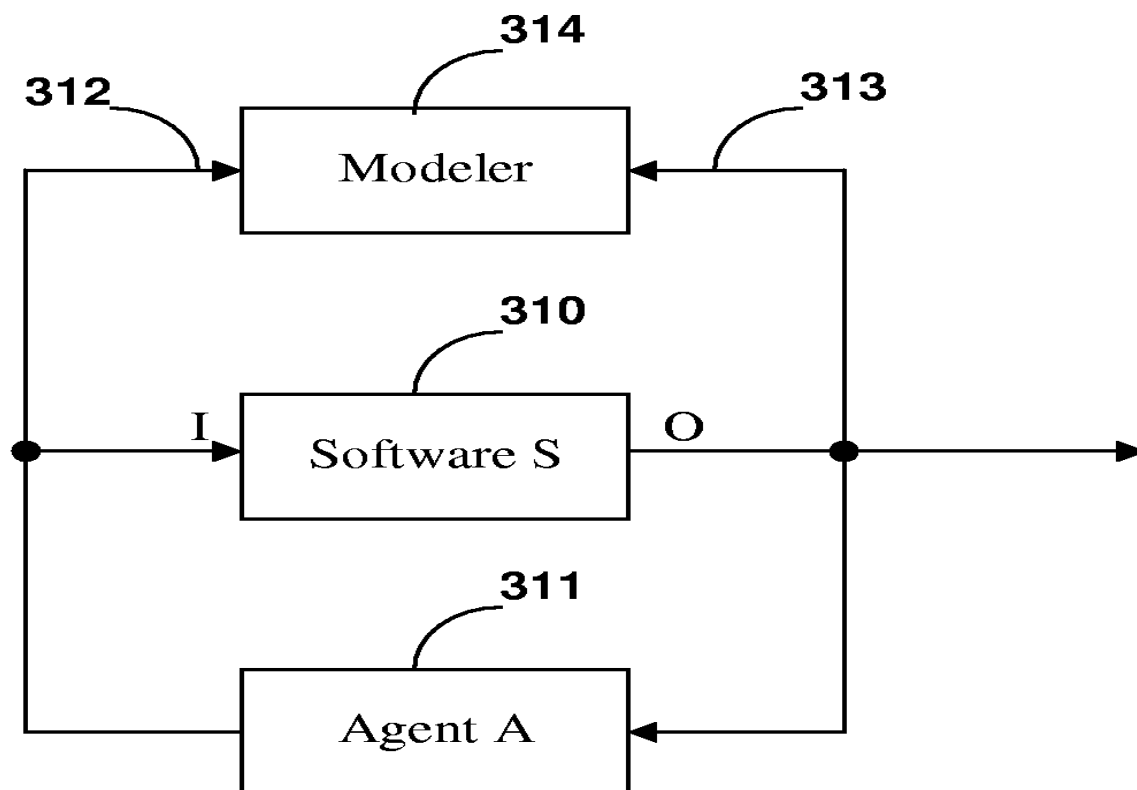


FIG. 2K

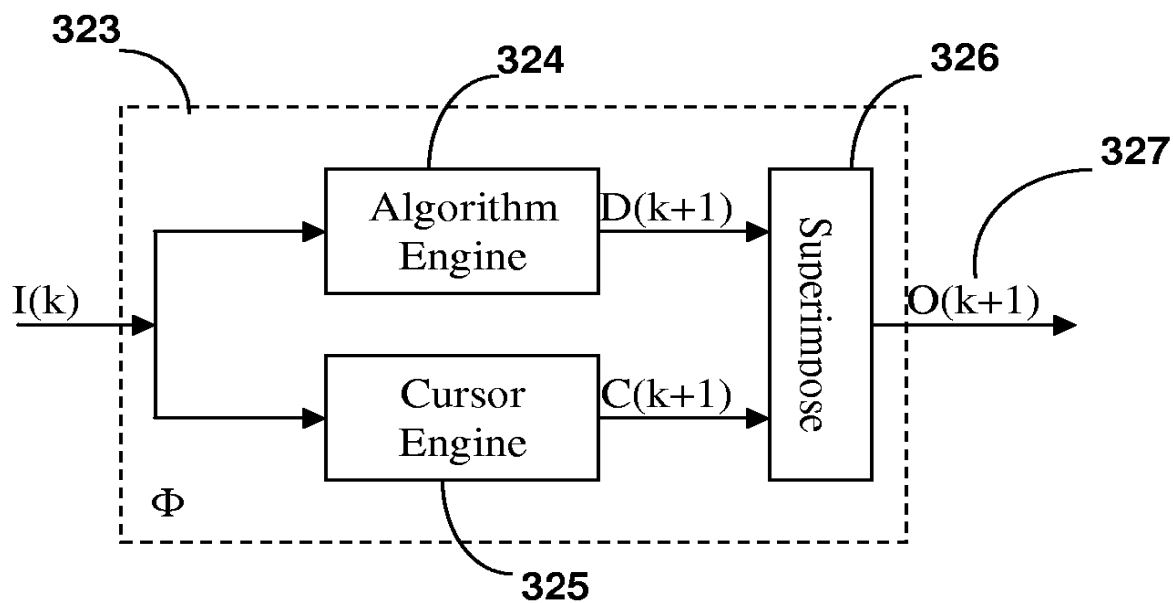
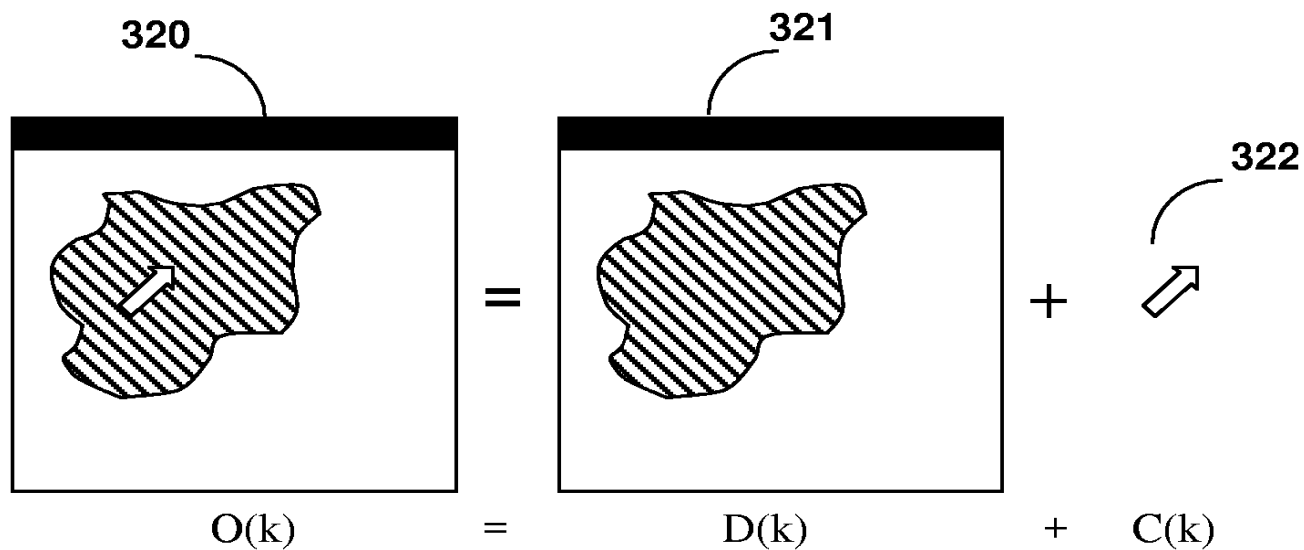


**FIG. 3A**

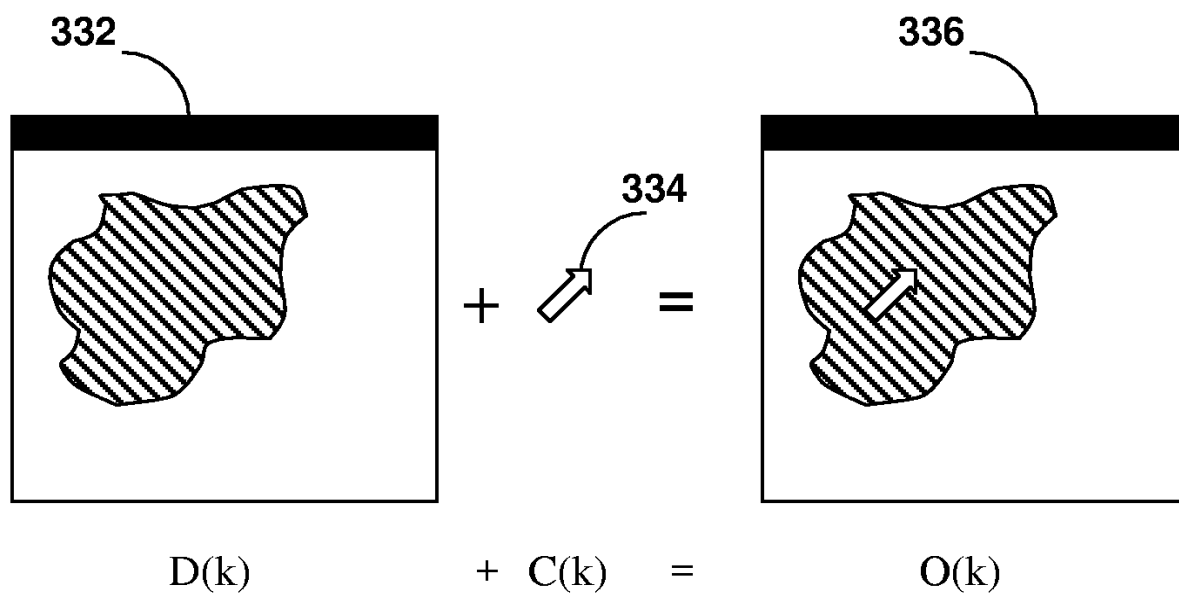
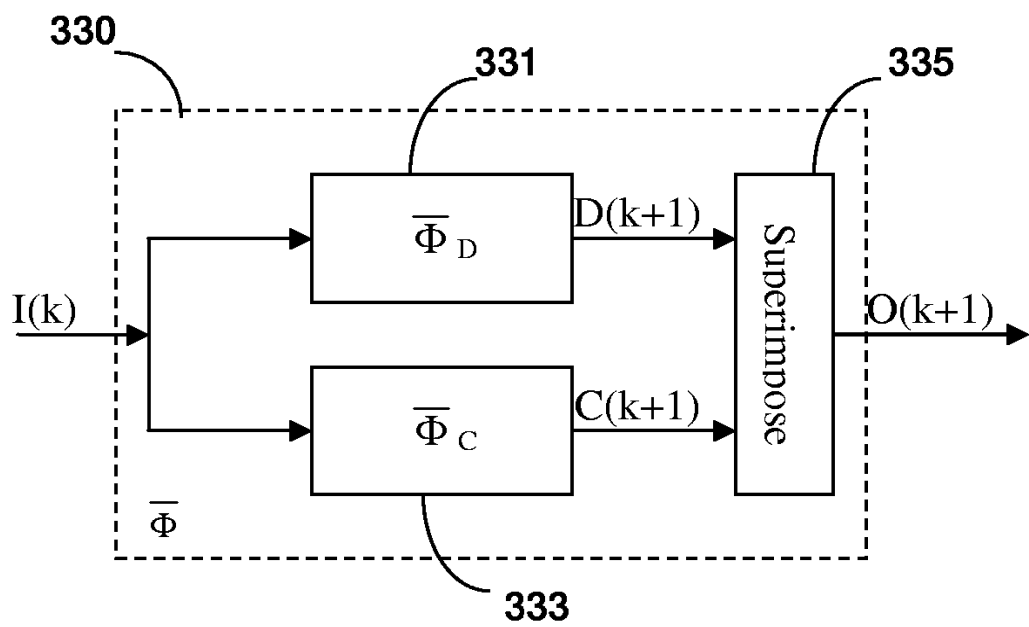


**FIG. 3B**





**FIG. 3C**



**FIG. 3D**

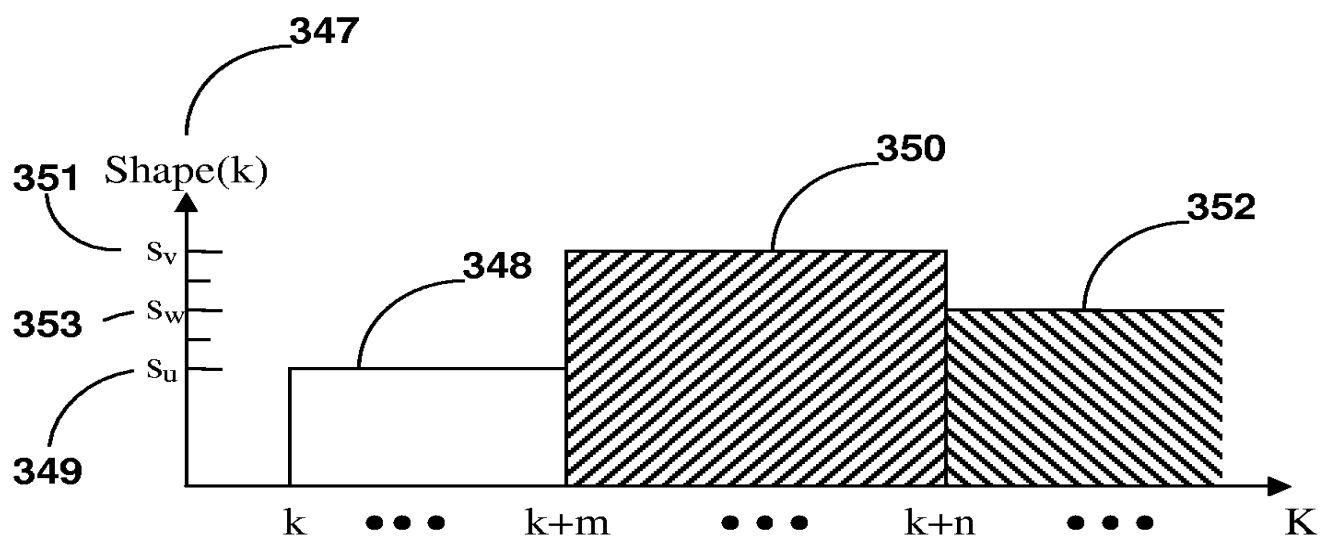
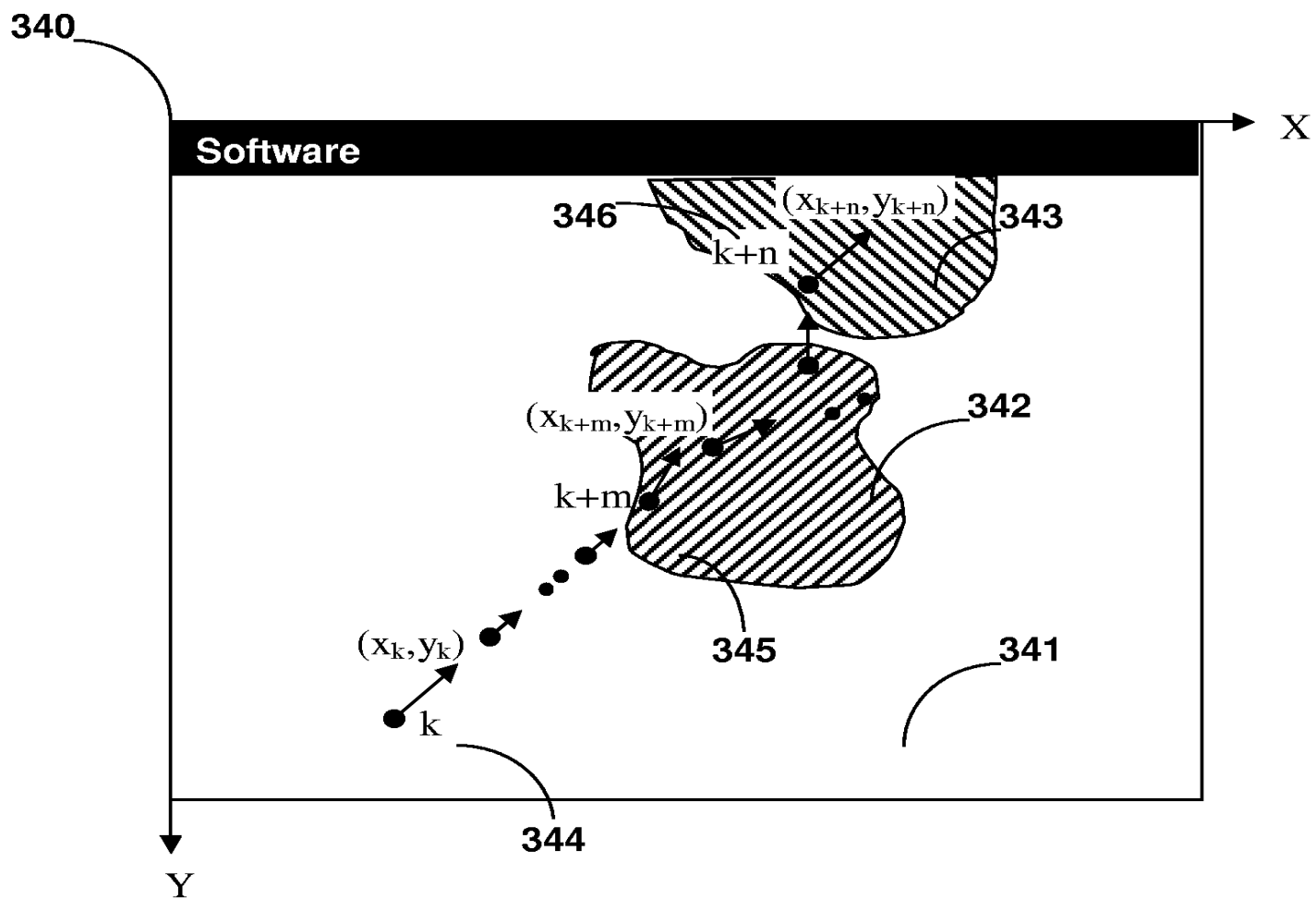
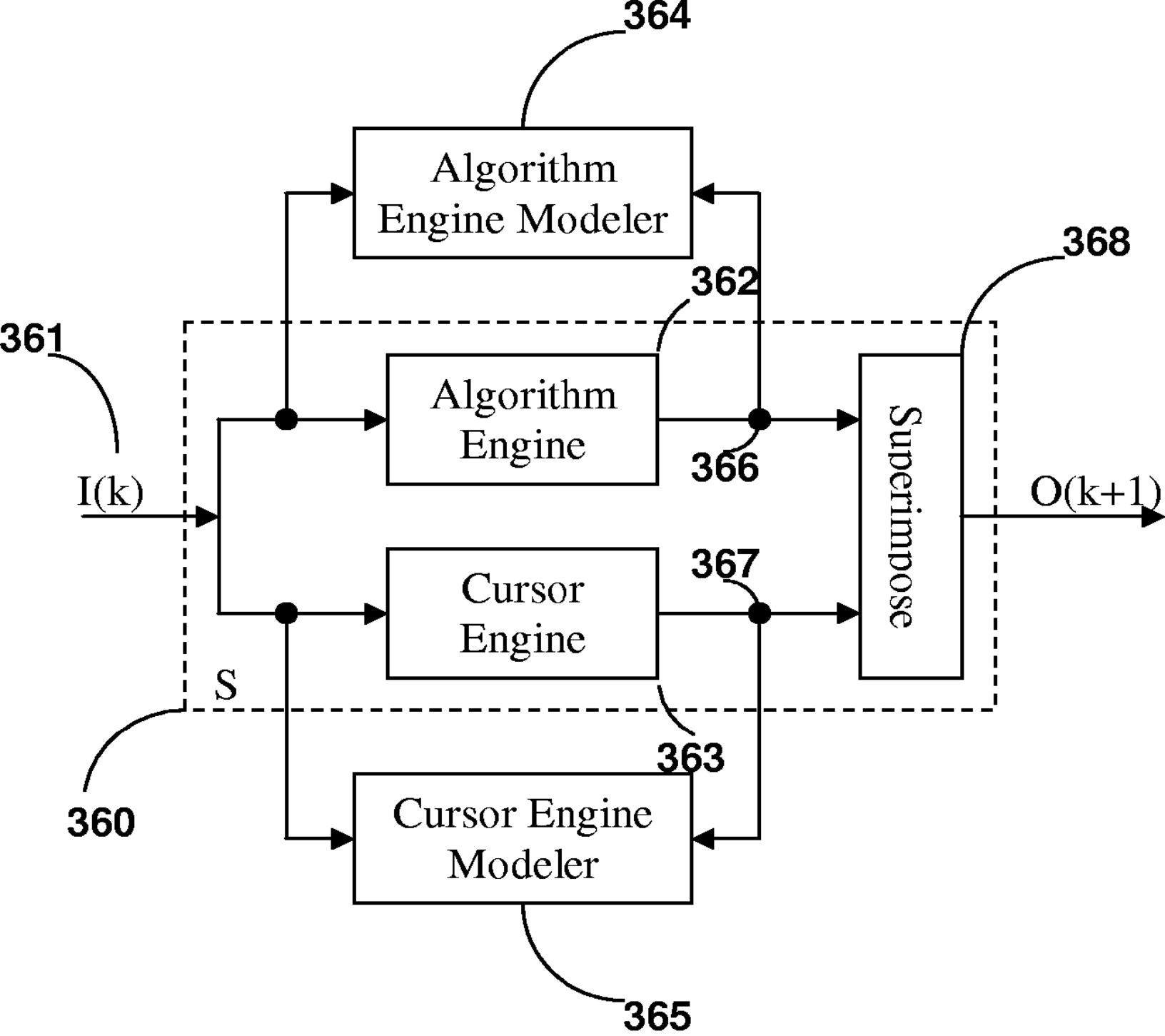
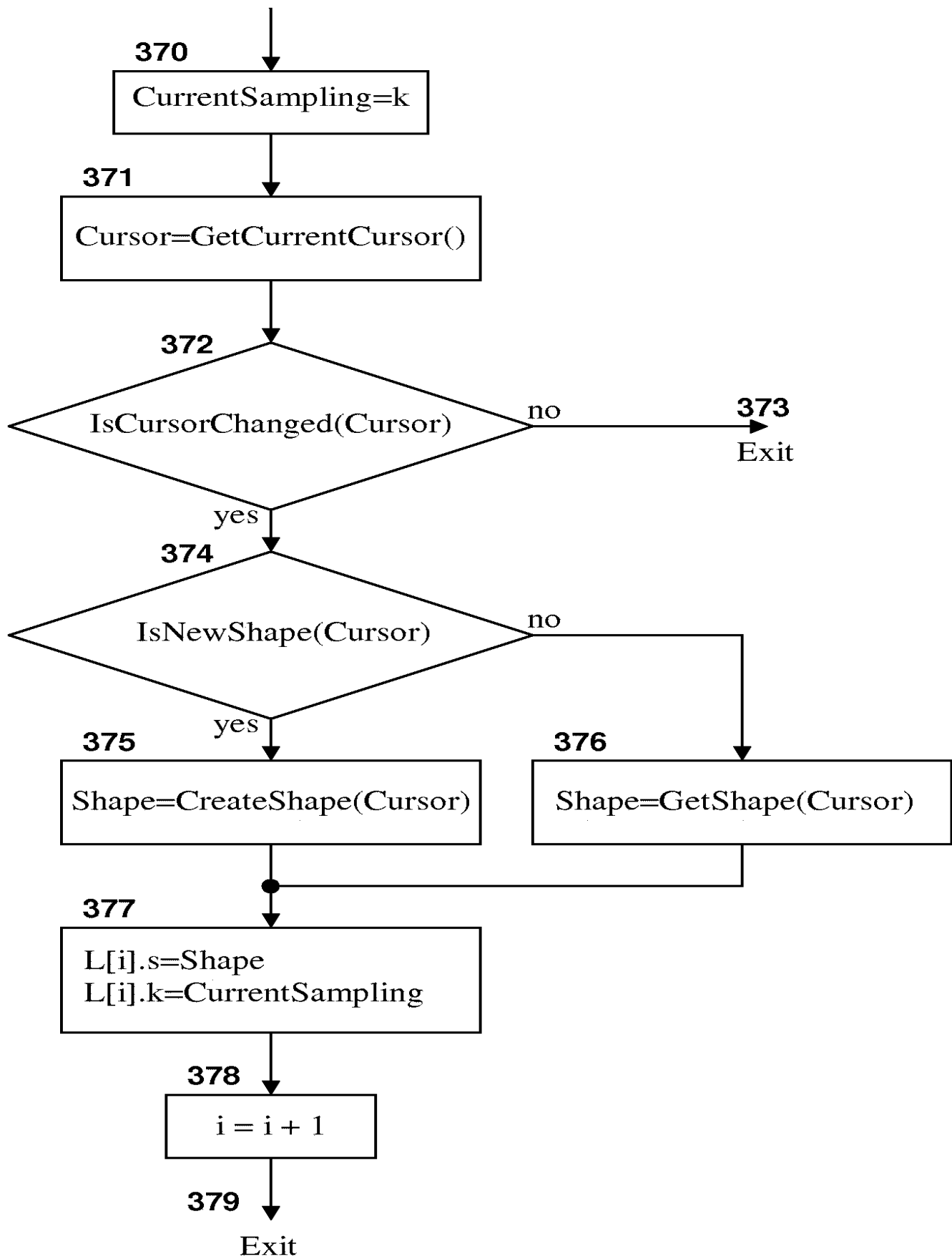


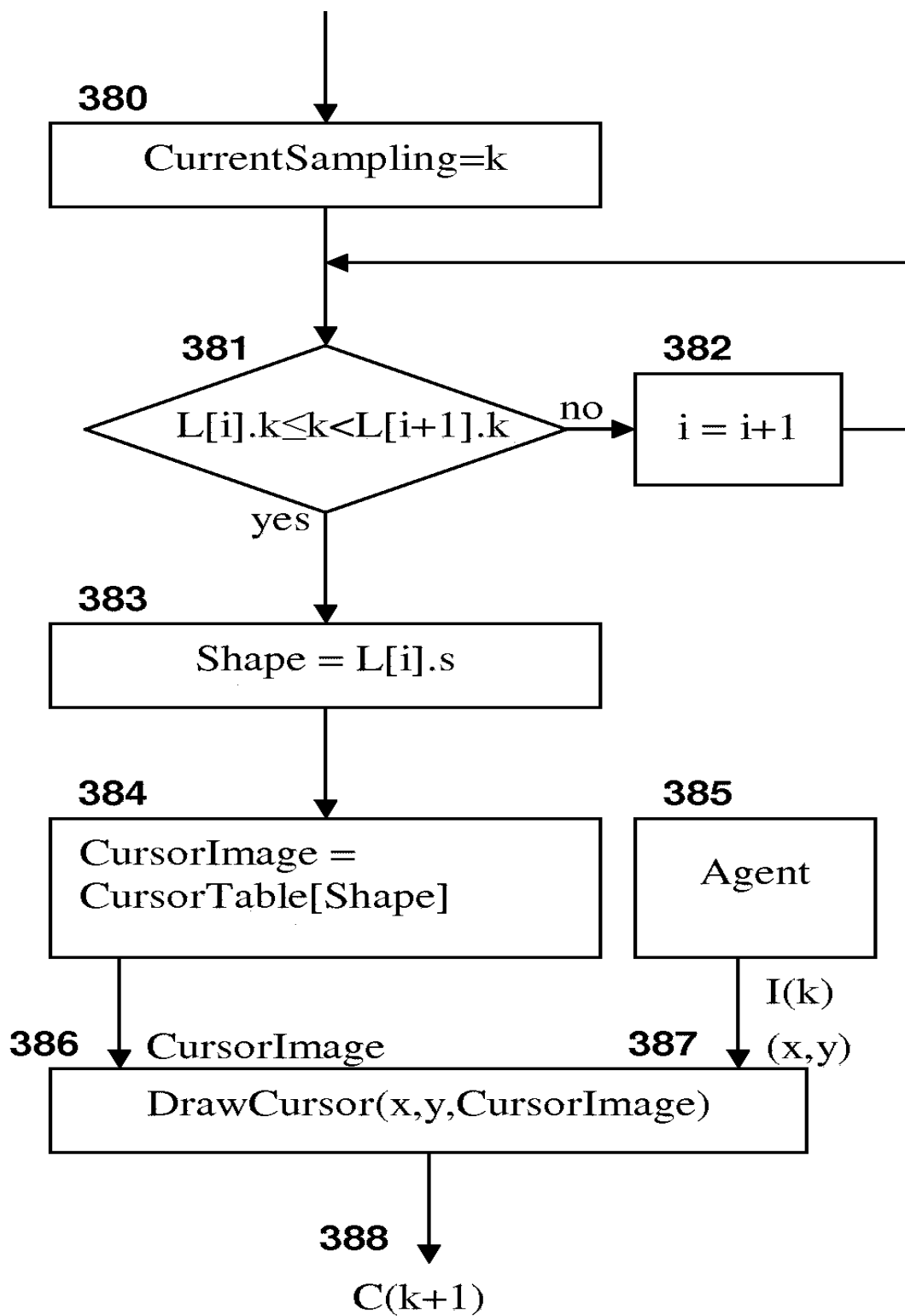
FIG. 3E



**FIG. 3F**



**FIG. 3G**



**FIG. 3H**

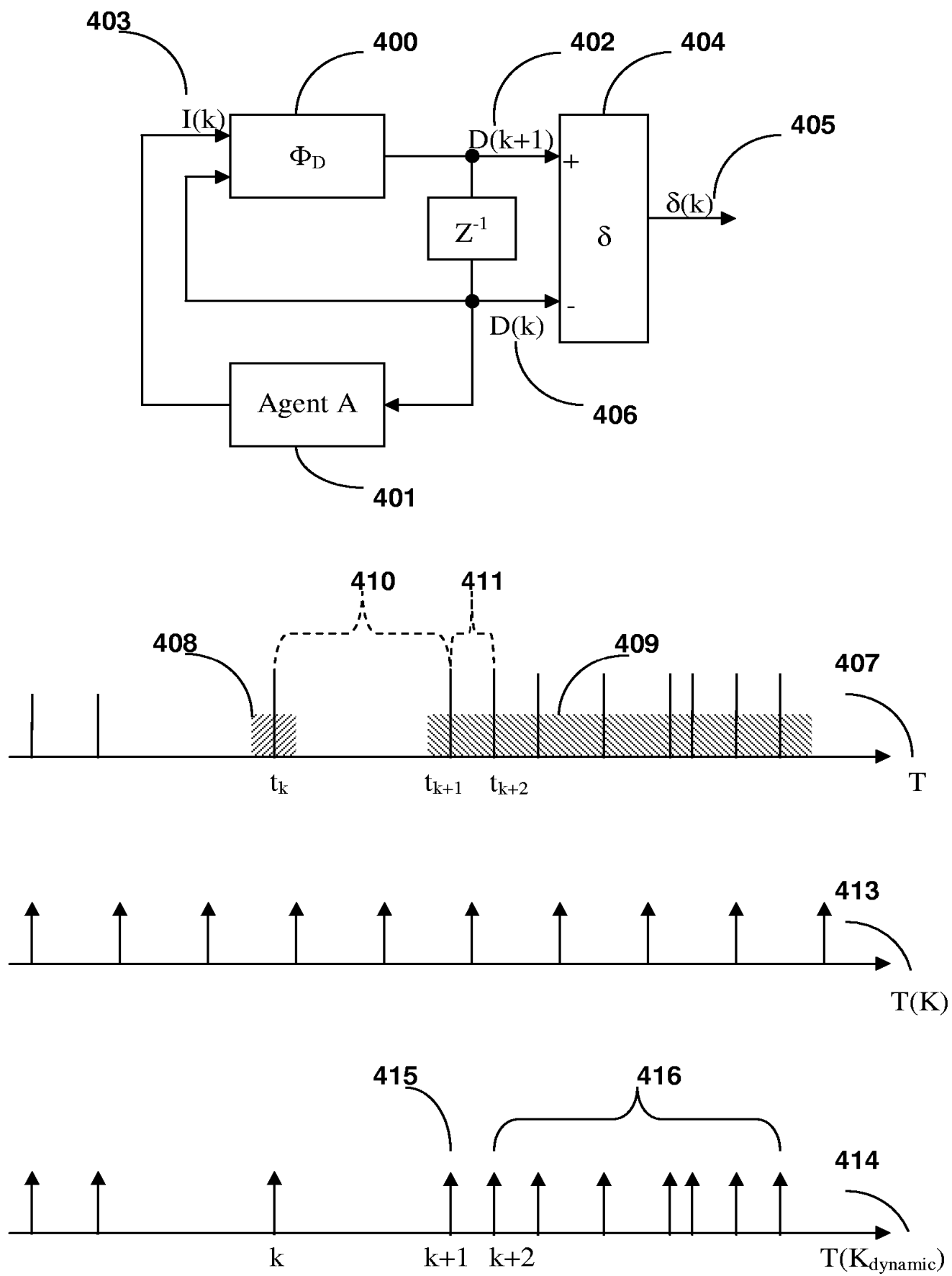
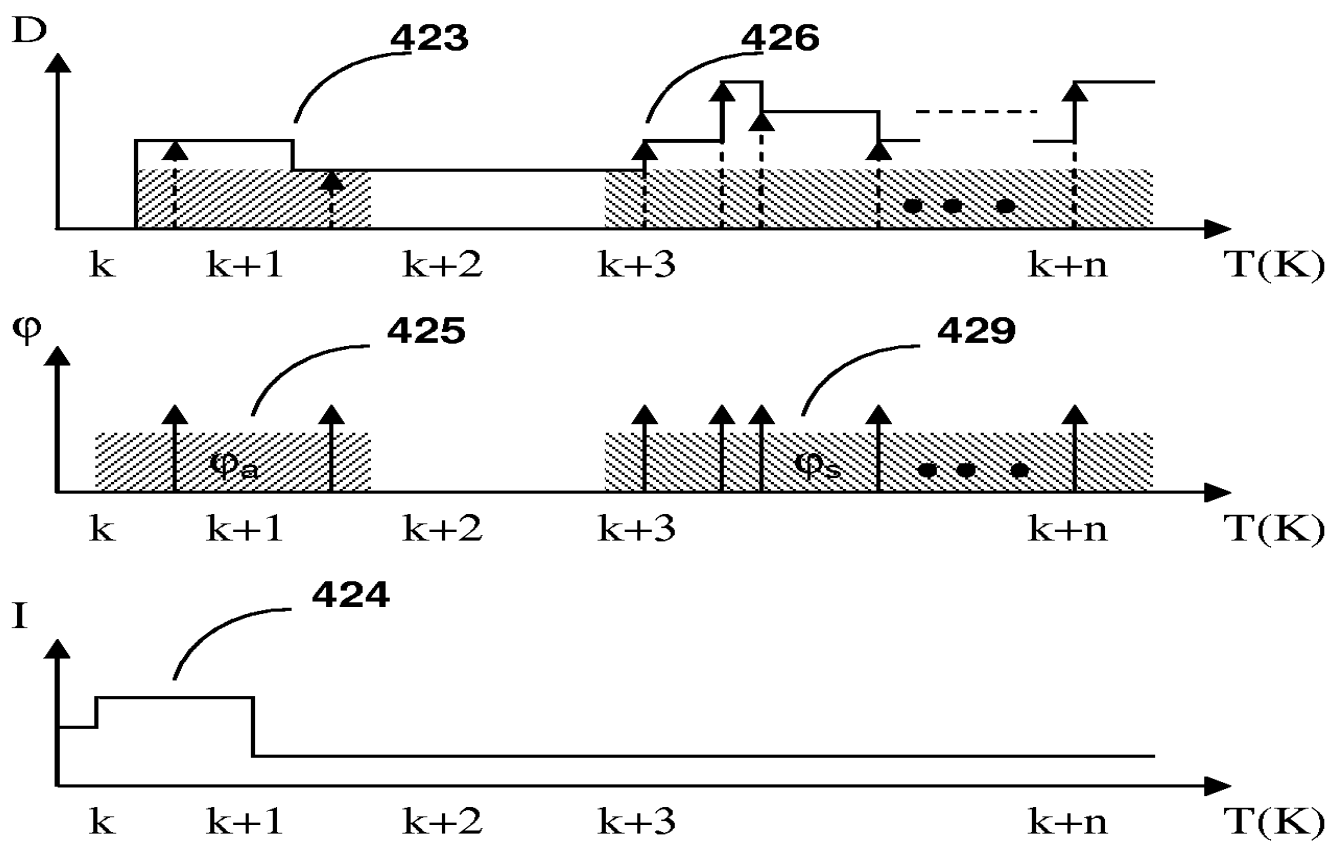
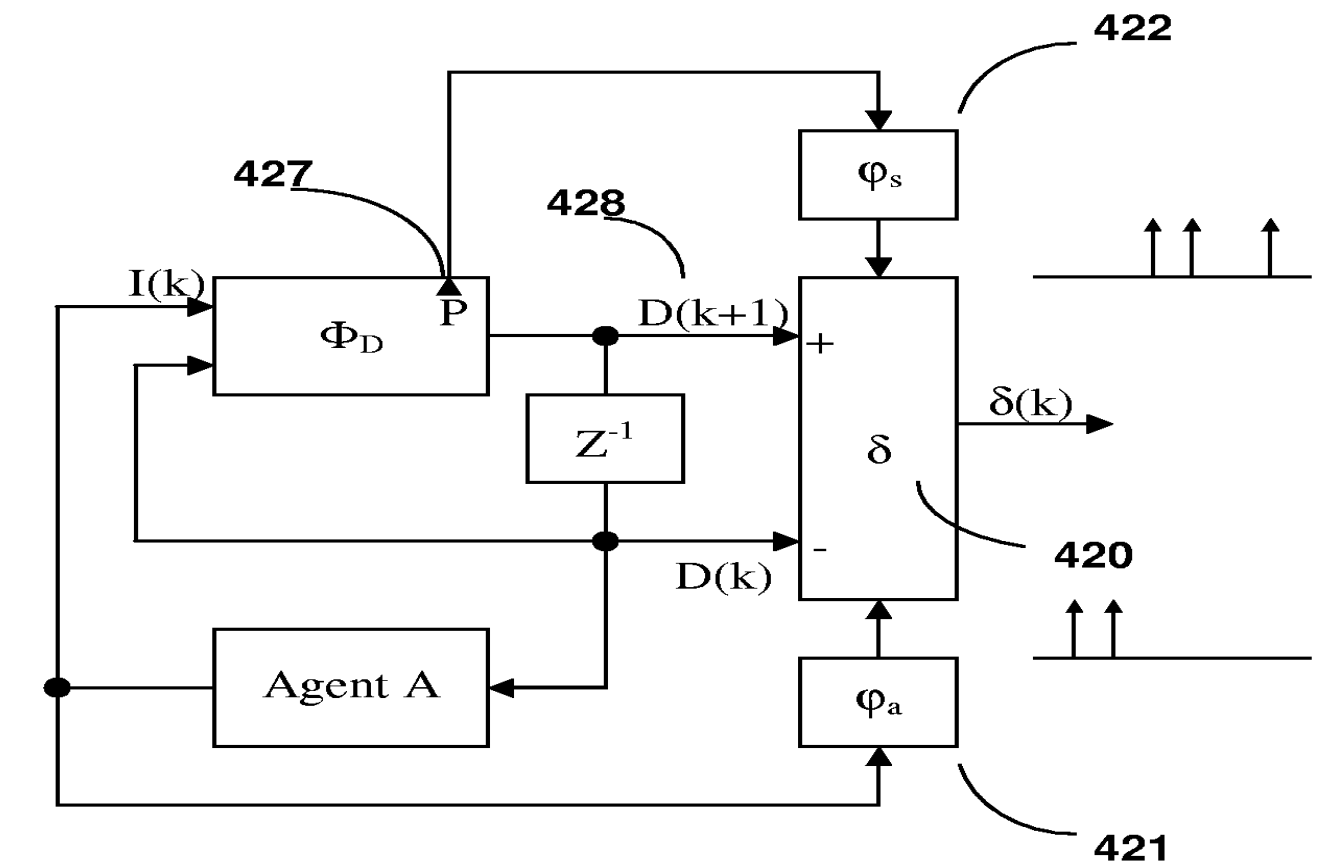
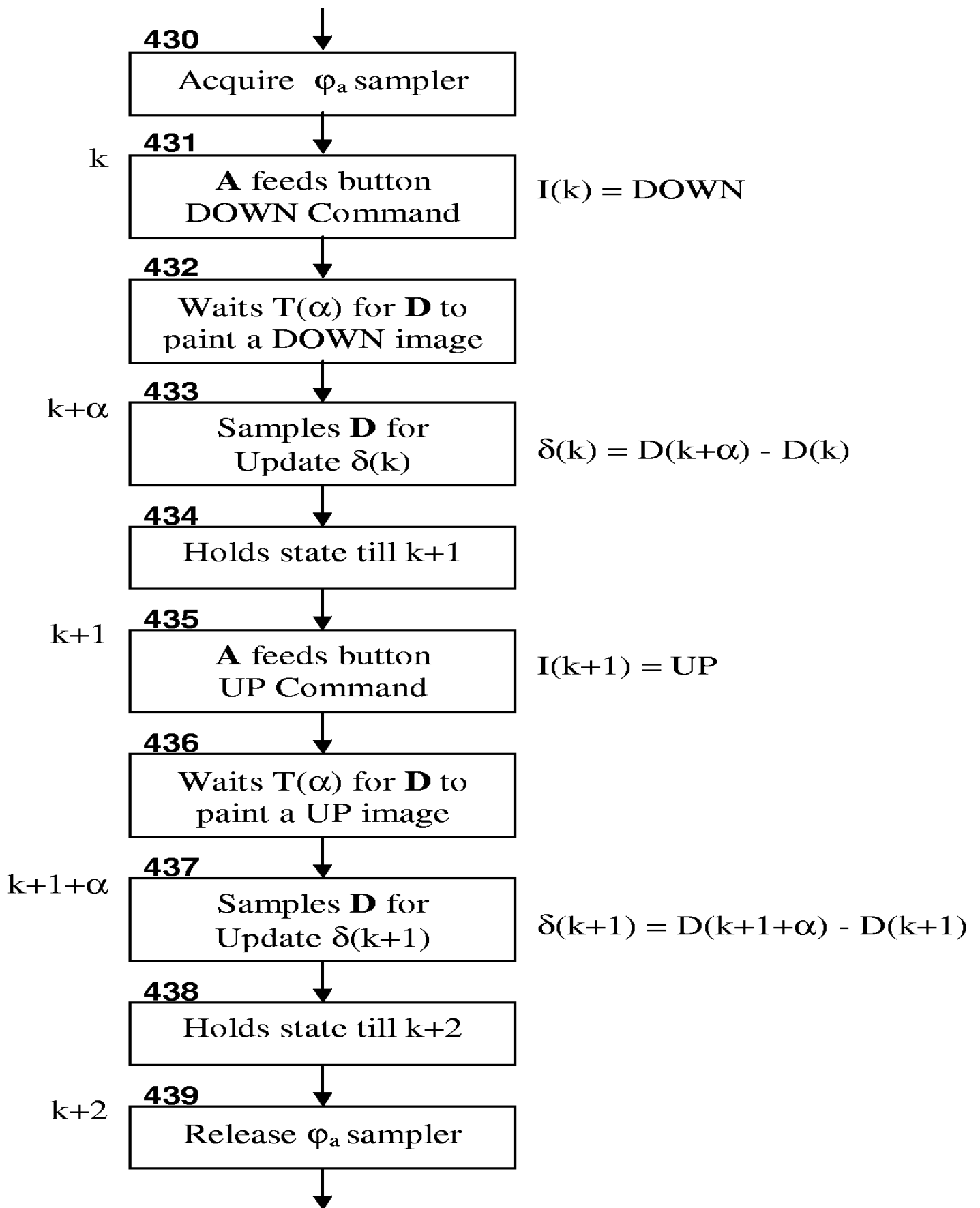


FIG. 4A



**FIG. 4B**





**FIG. 4C**

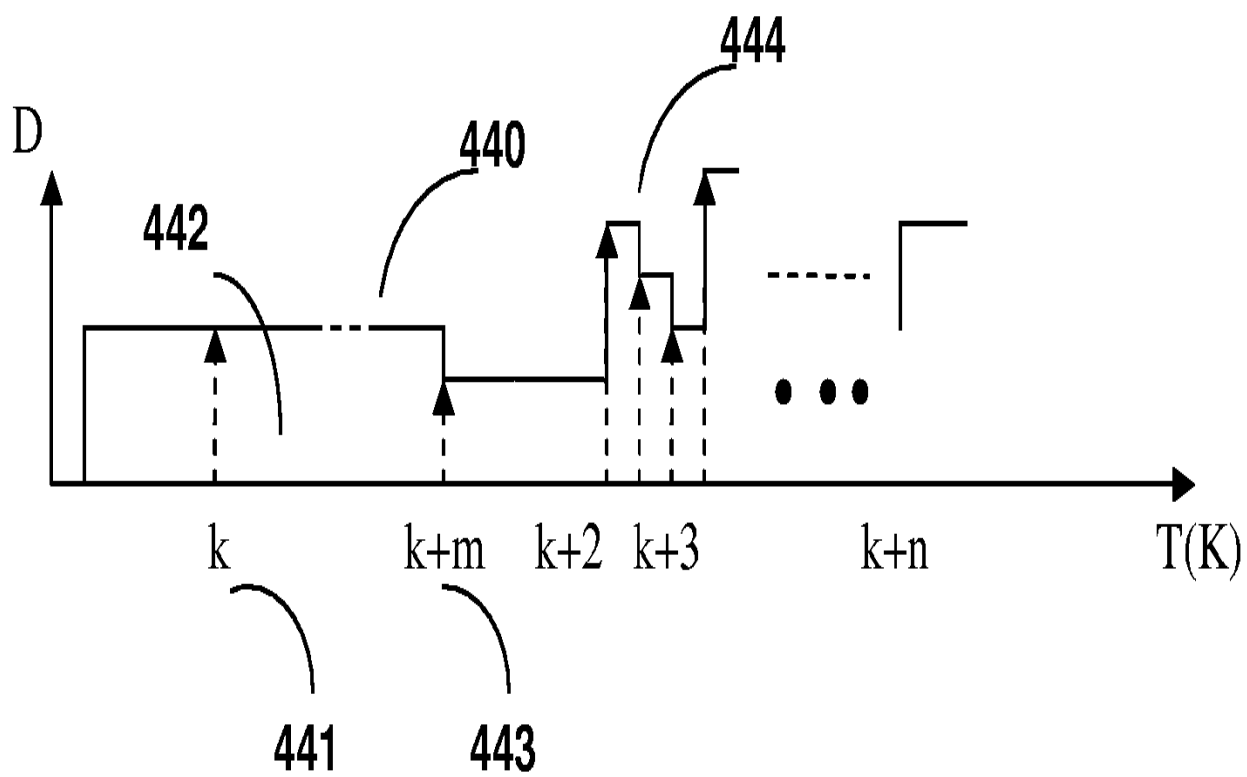


FIG. 4D

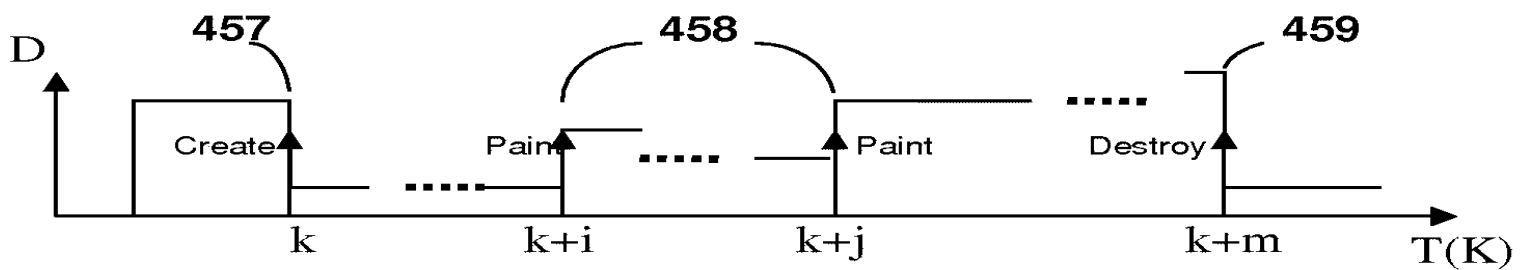
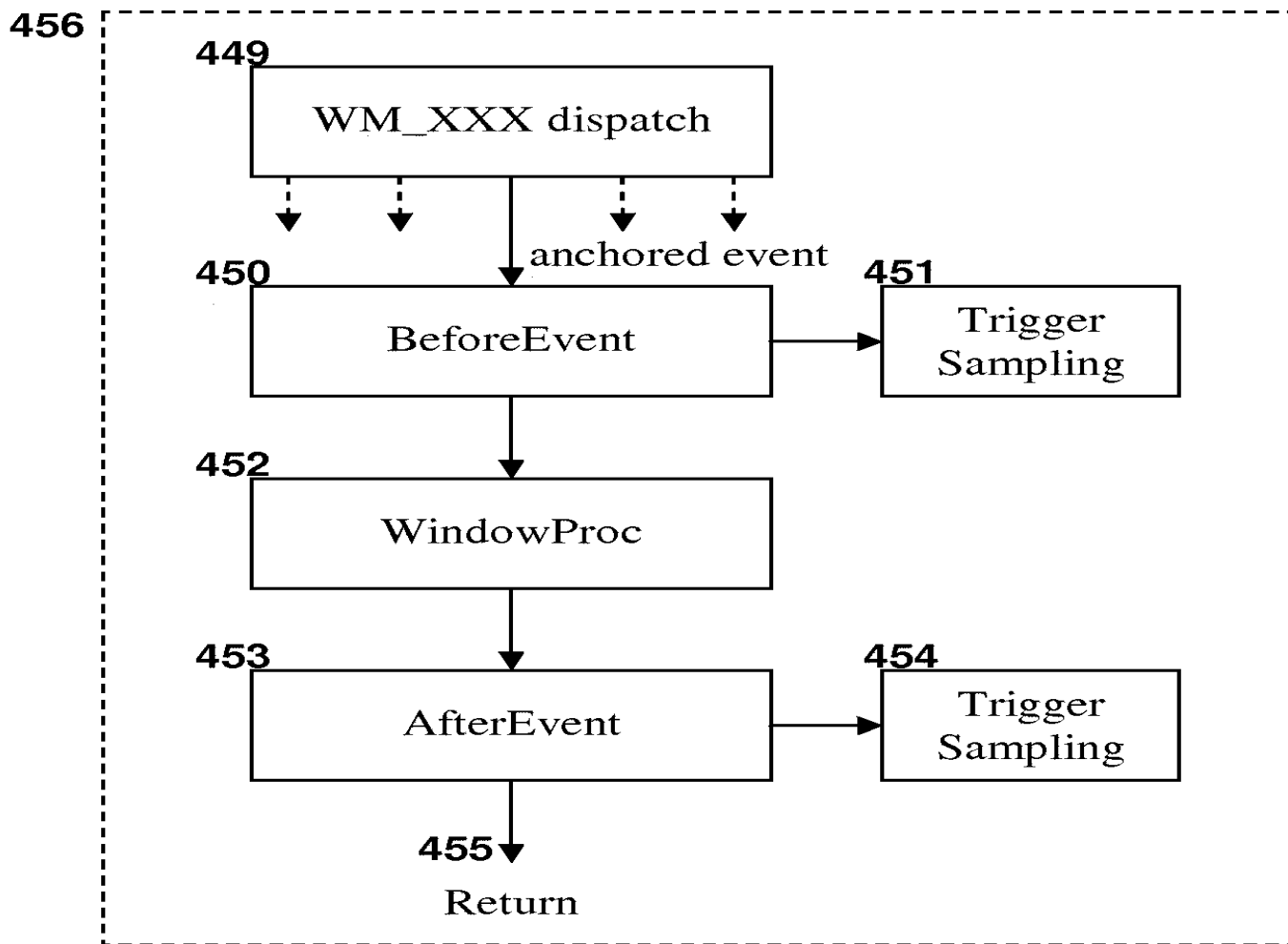
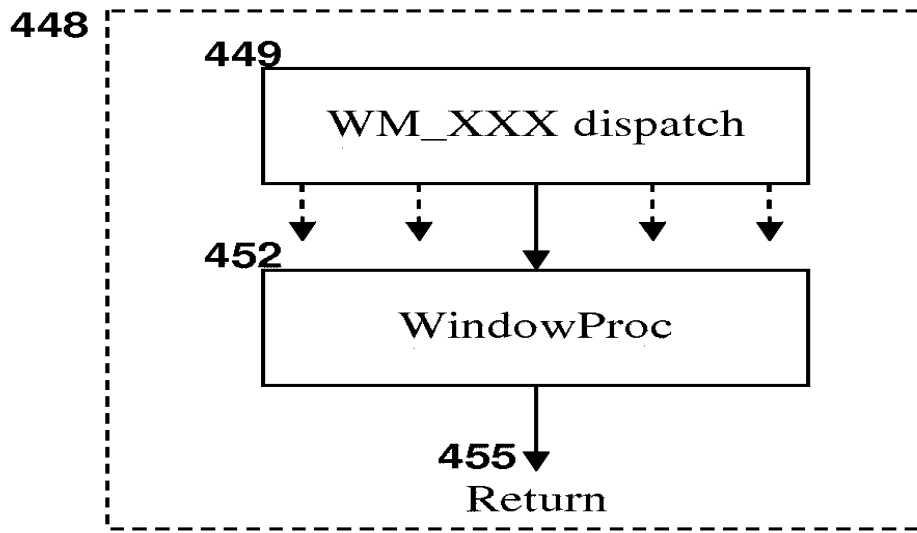
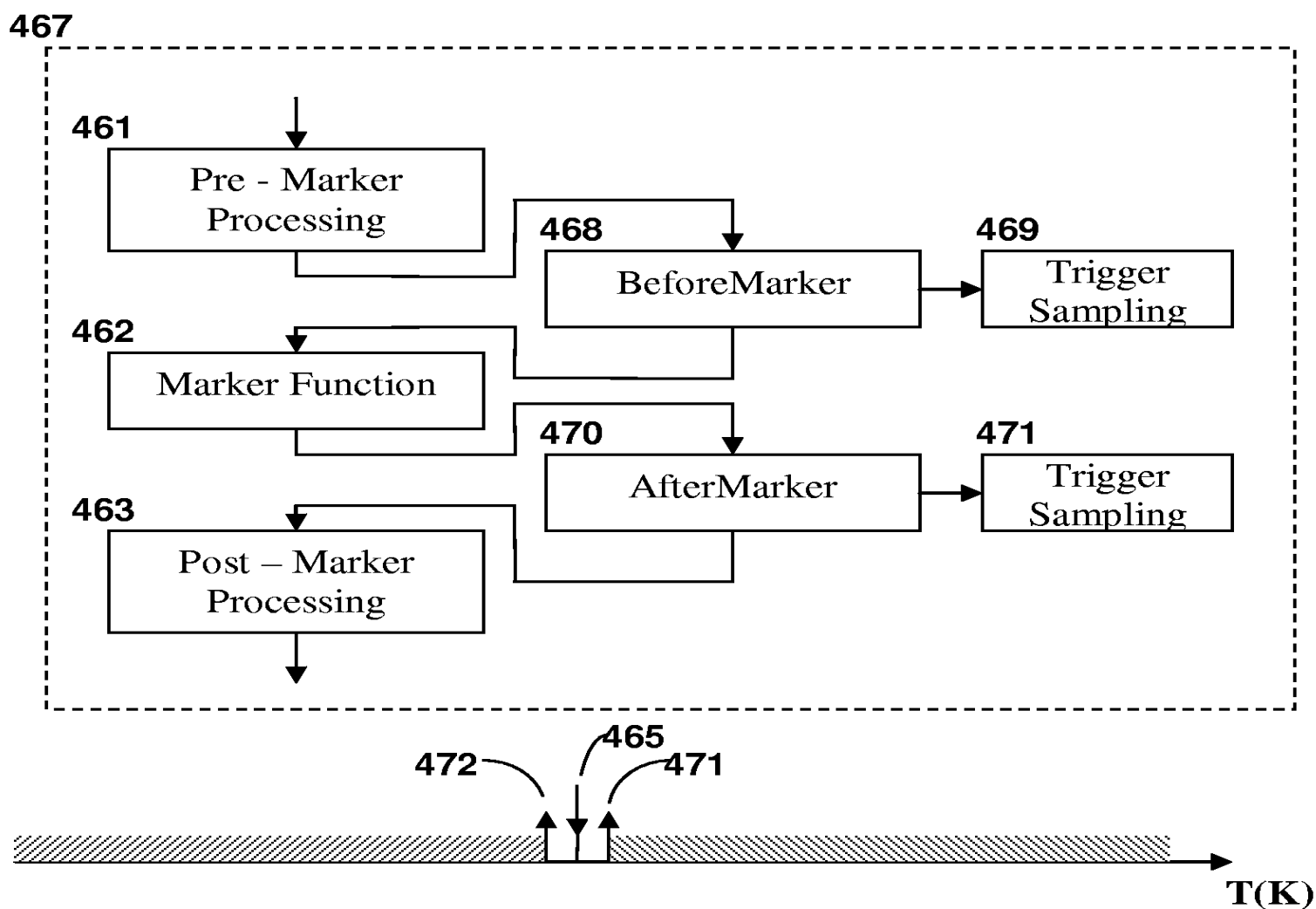
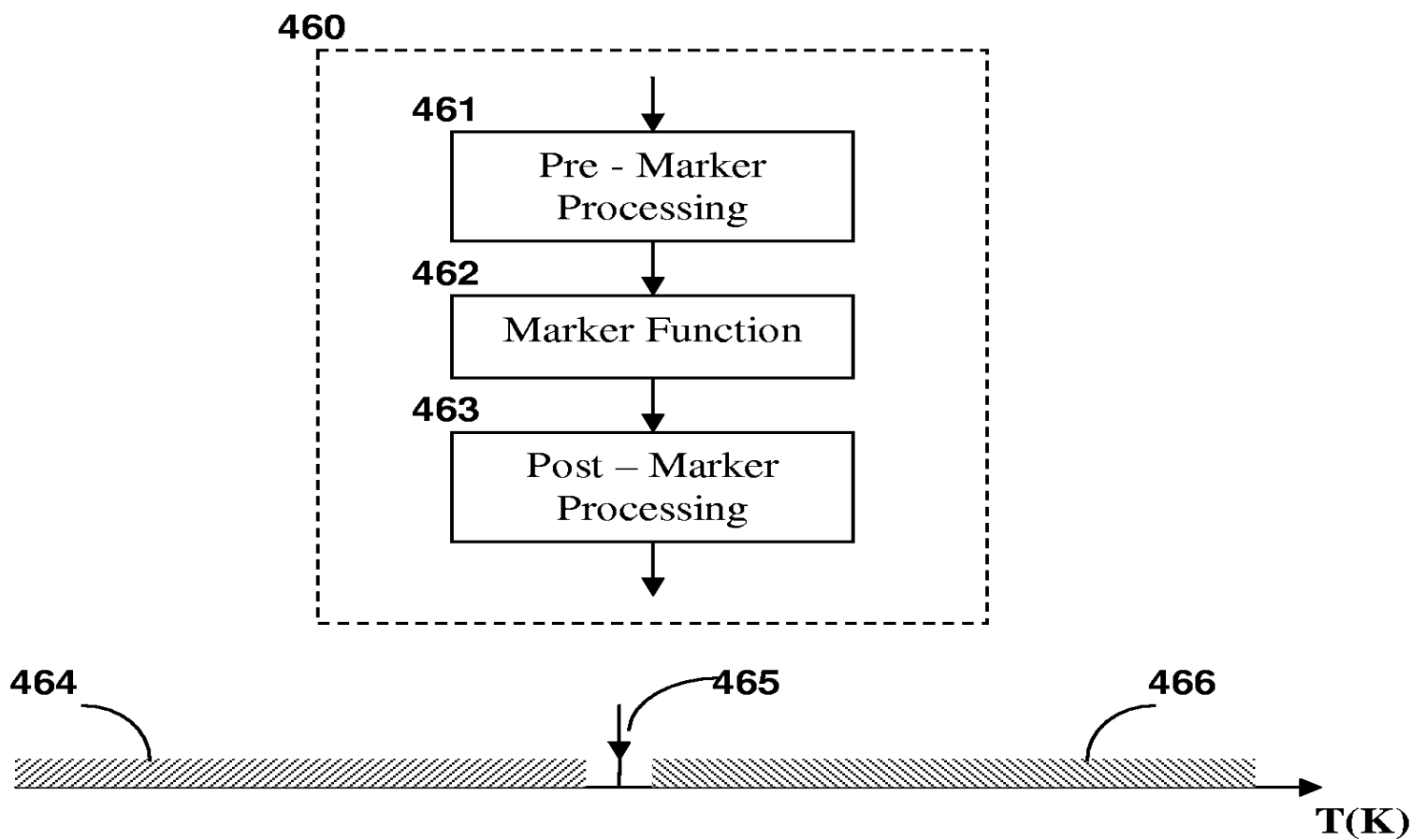
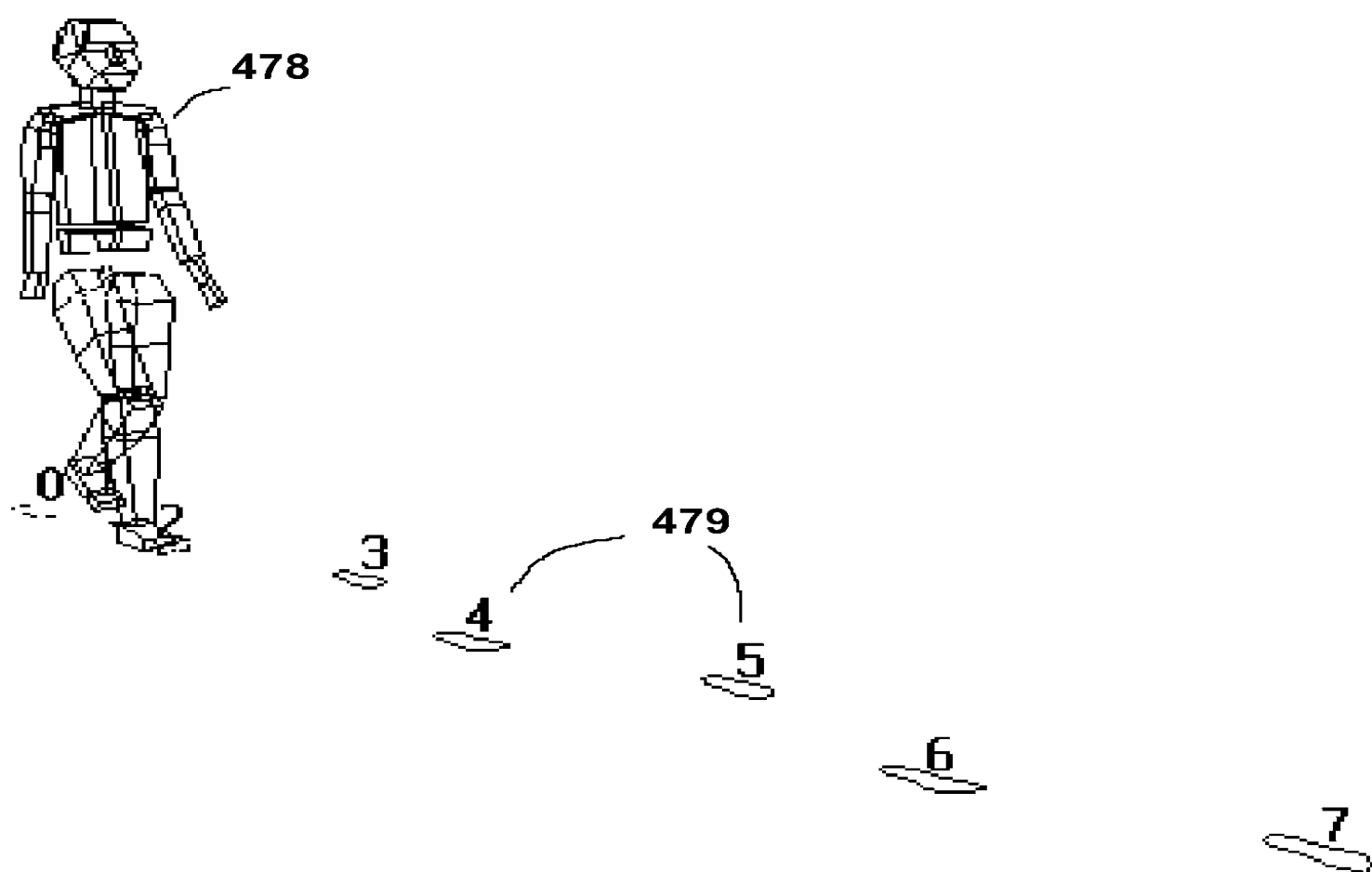


FIG. 4E



**FIG. 4F**



480

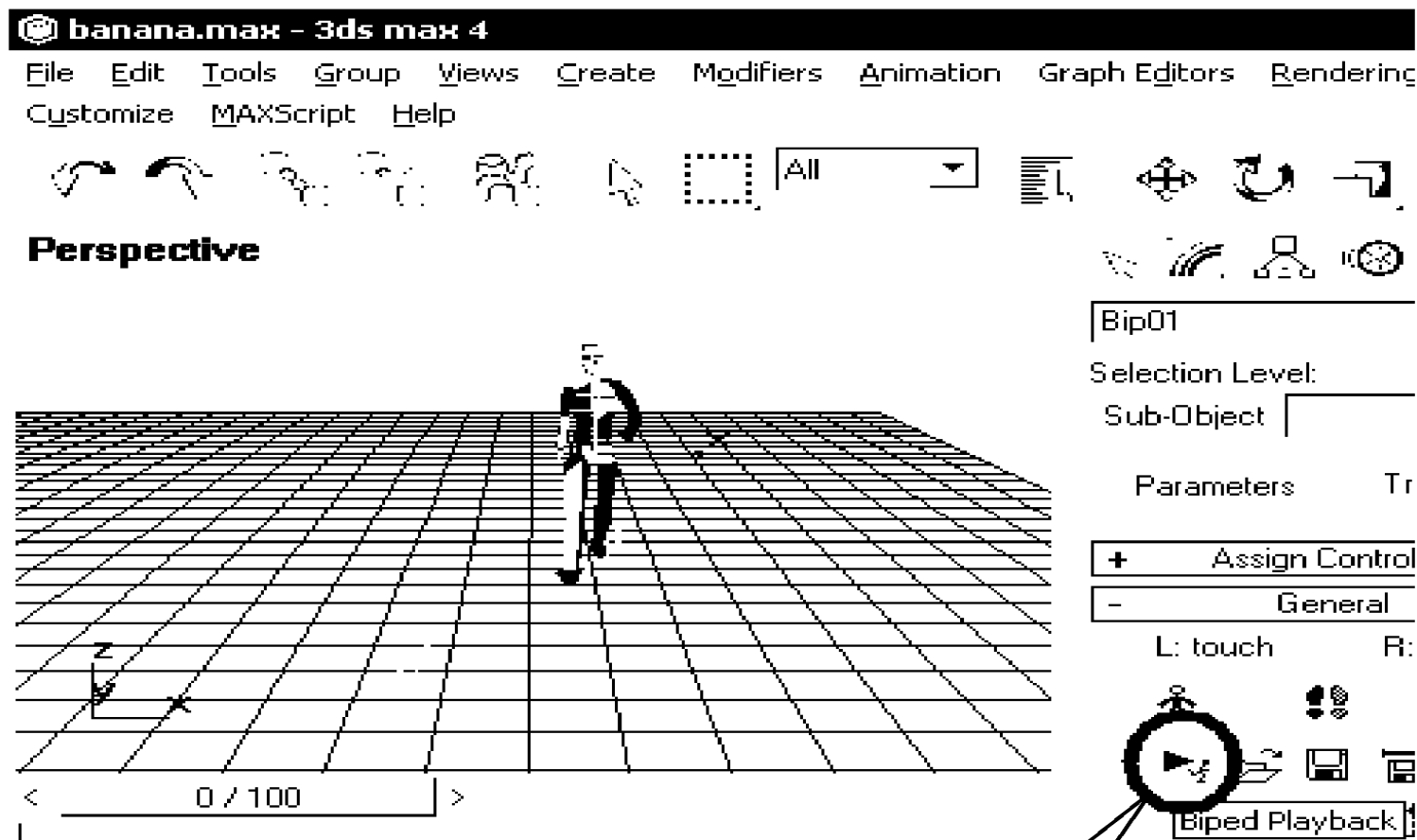
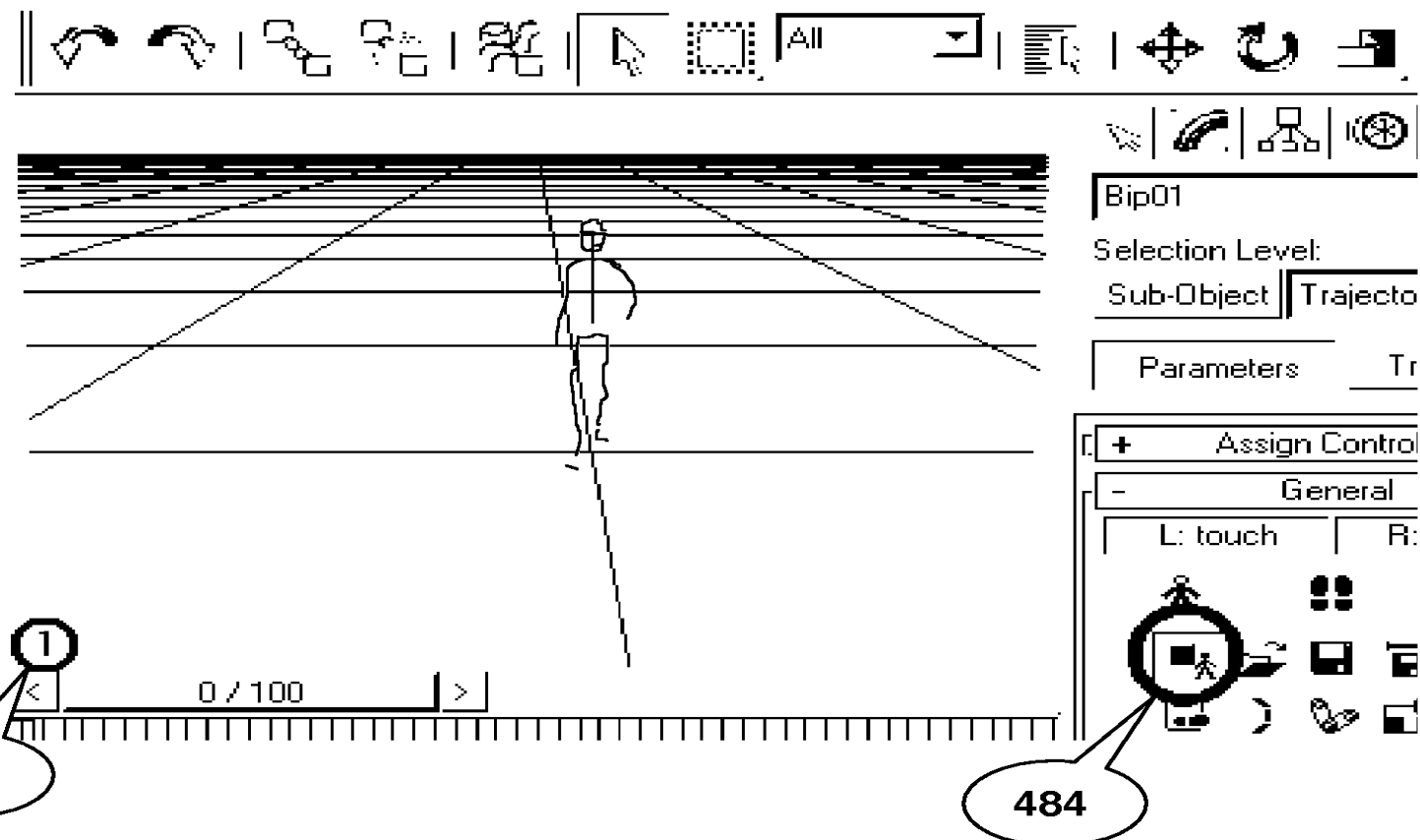


FIG. 4G

482

banana.max - 3ds max 4

File Edit Tools Group Views Create Modifiers Animation Graph Editors Rendering  
Customize MAXScript Help



485

banana.max - 3ds max 4

File Edit Tools Group Views Create Modifiers Animation Graph Editors Rendering  
Customize MAXScript Help

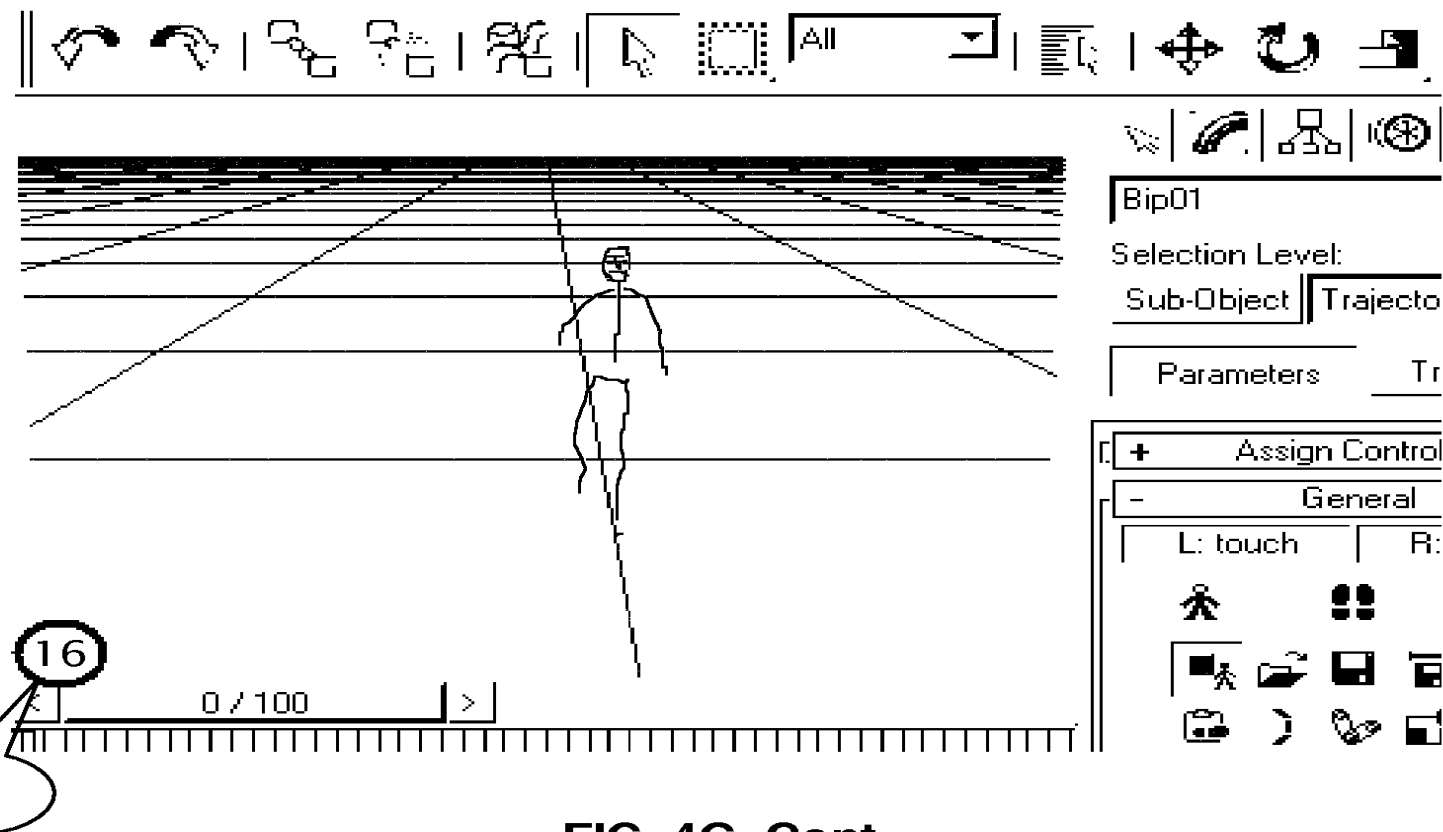
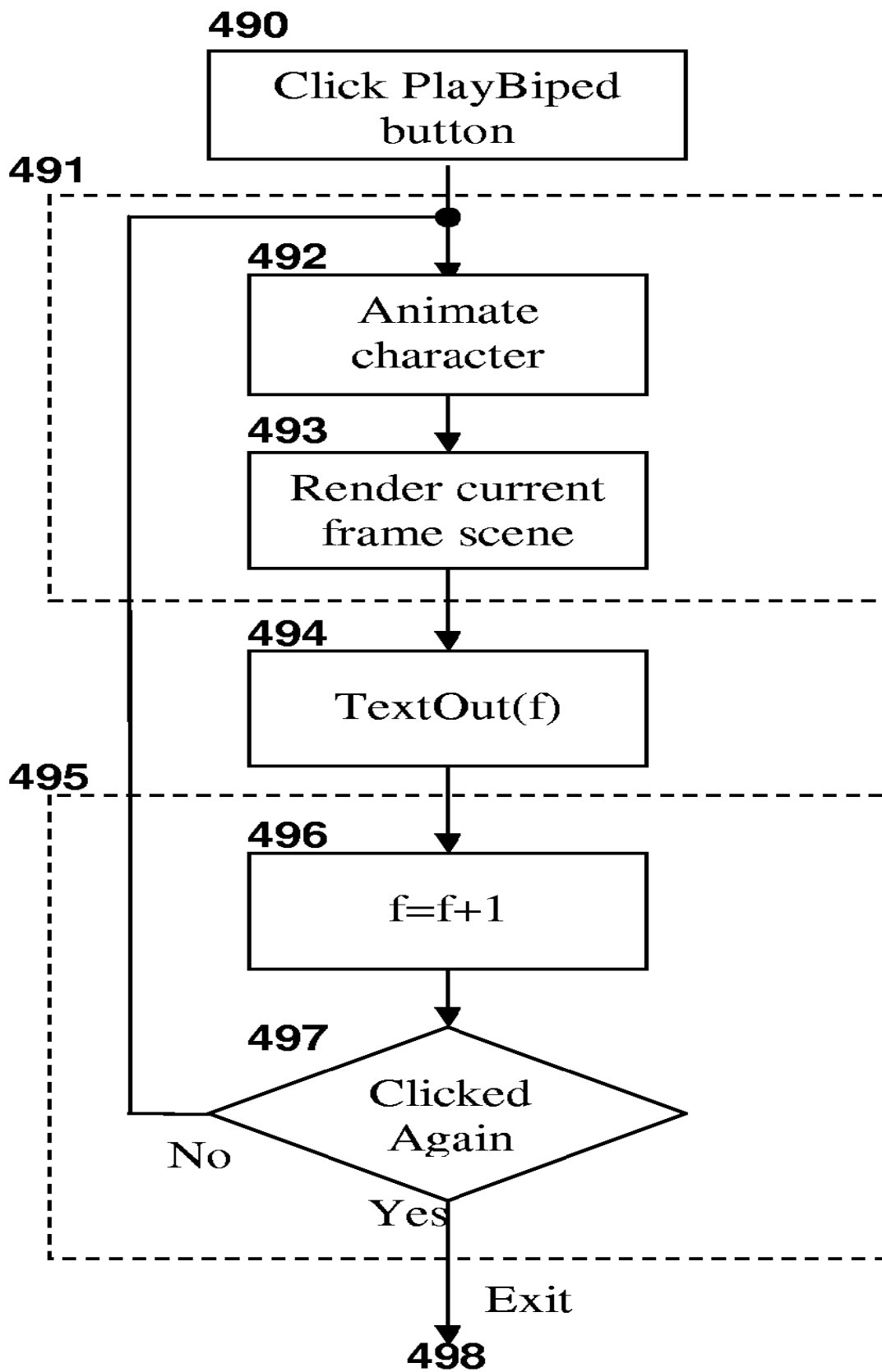


FIG. 4G. Cont.



**FIG. 4H**

numberOfStates=100

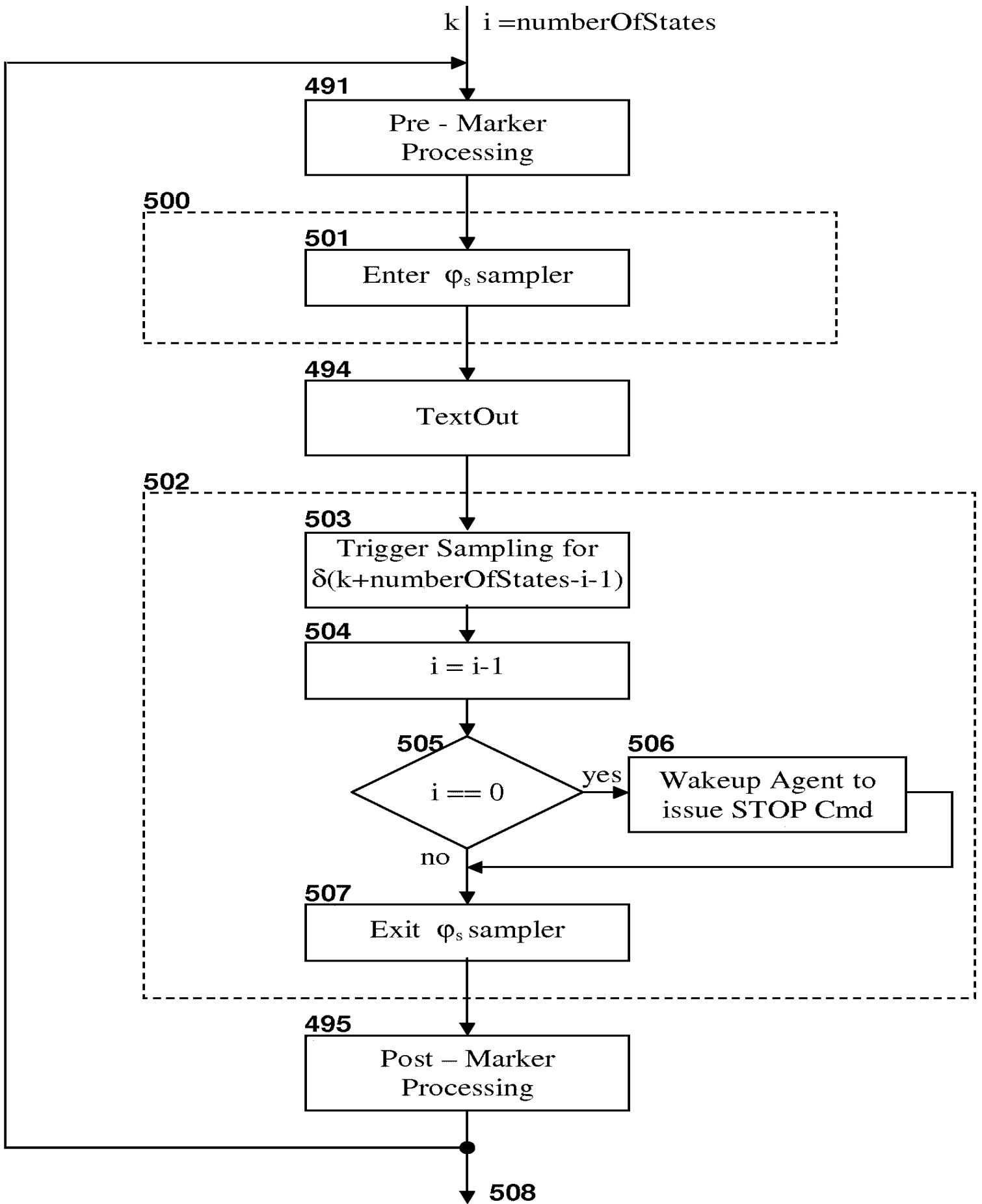


FIG. 4H Cont.



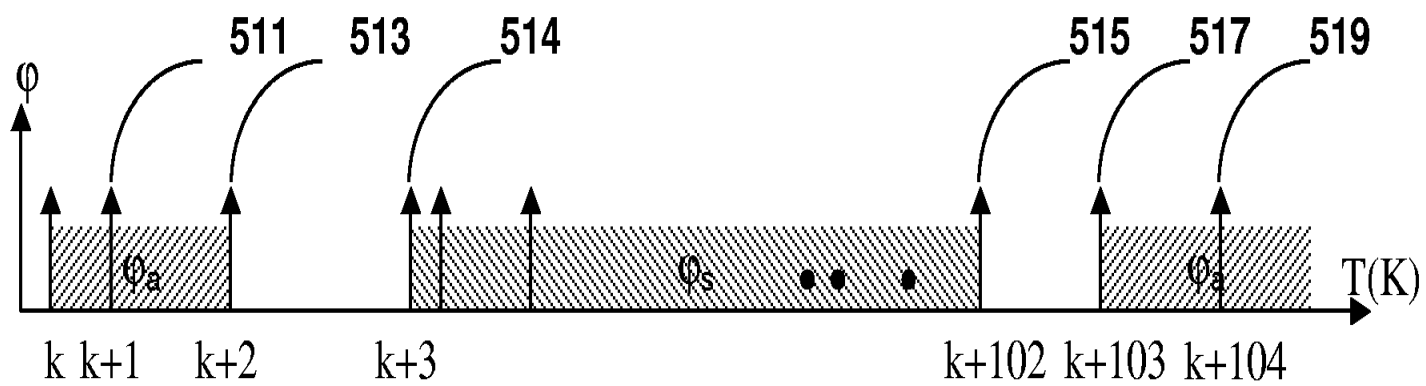
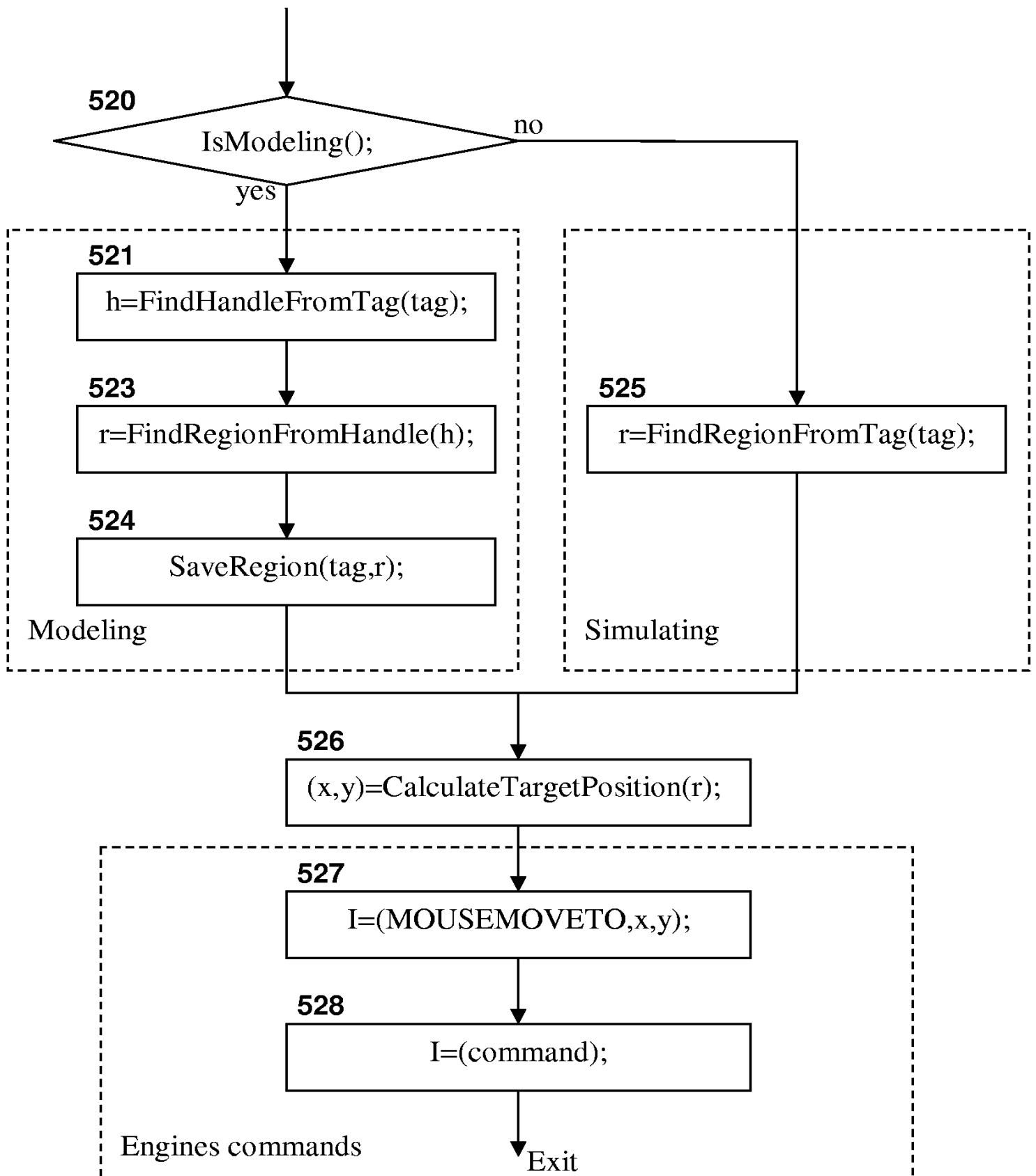
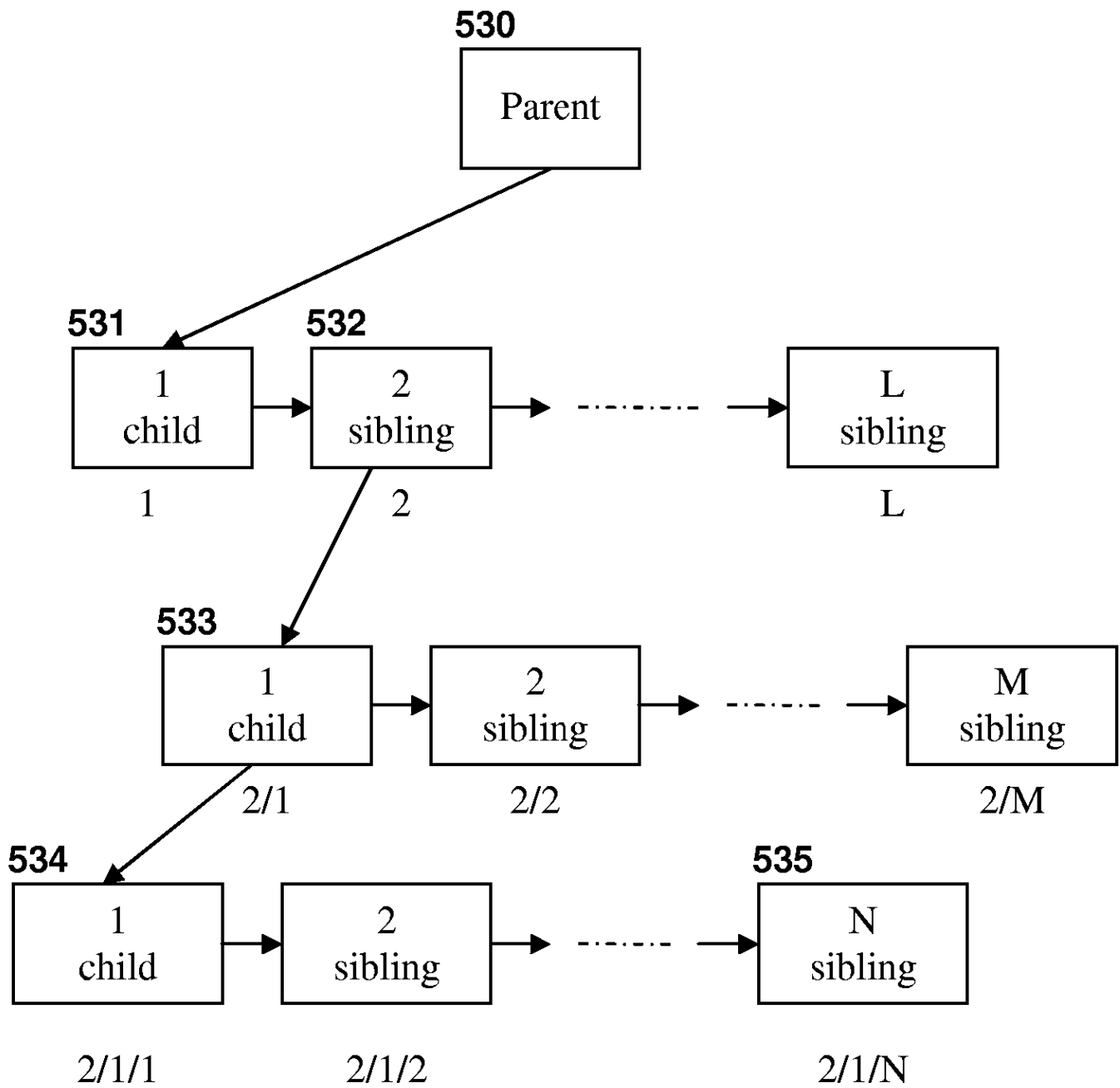


FIG. 4I

ButtonActuatorModel(command,tag);



**FIG. 5A**



**FIG. 5B**

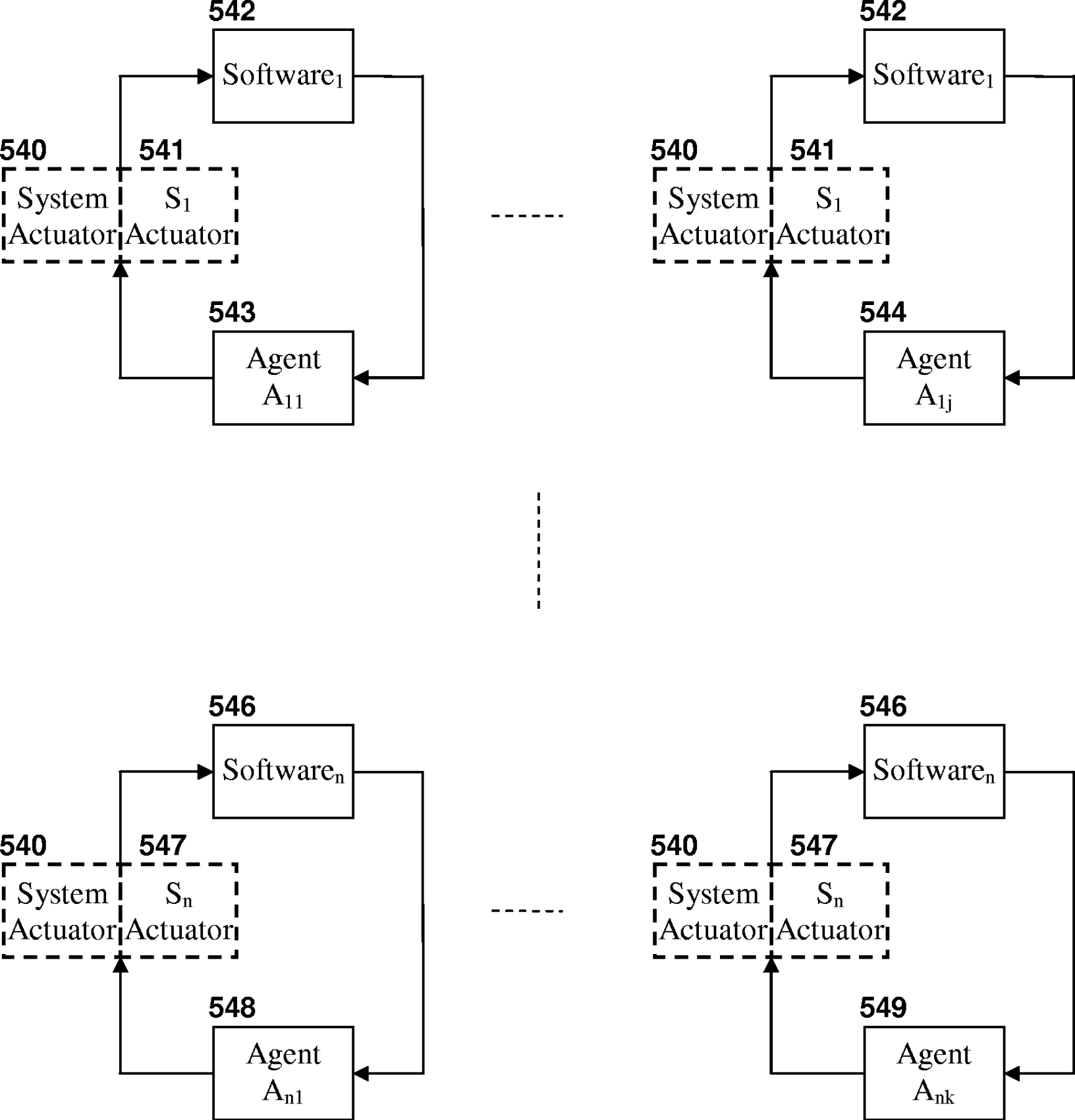


FIG. 5C

550

```
Public class PlayButtonActuator extends ButtonActuatorModel
```

```
{
```

551

```
    public PlayButtonActuator()
    {
        super("Play");
    }
```

552

```
    void playBiped(int numberOfStates)
    {
        Rectangle r;
        APIProbe ap=new APIProbe(this,numberOfStates);
        r=clickButton();
        ap.probe();
    }
```

553

555

554

```
    Rectangle clickButton()
    {
        return super.command(MOUSECLICK);
    }
```

```
    ...
```

```
}
```

**FIG. 5D**

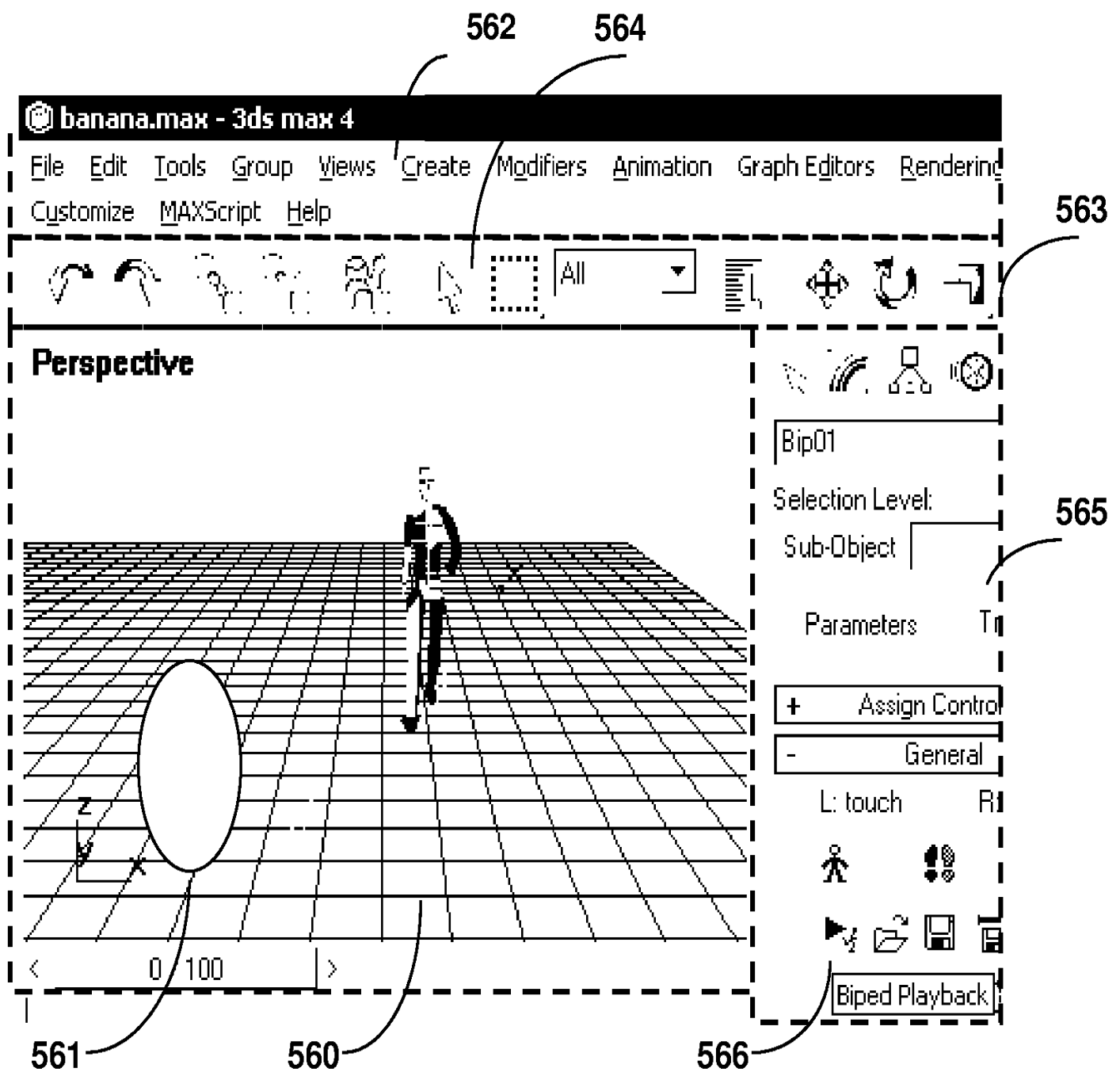
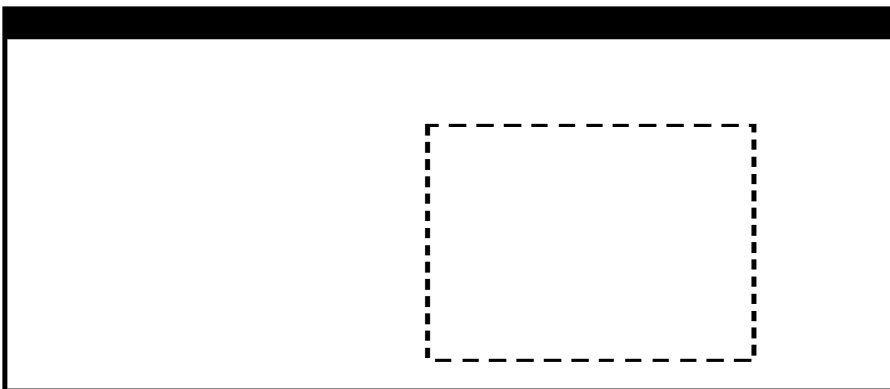


FIG. 5E

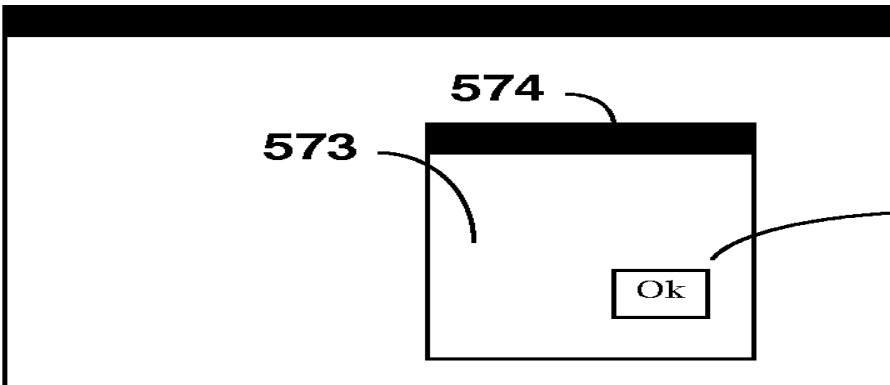
570



Before Dialog  
created

k  571

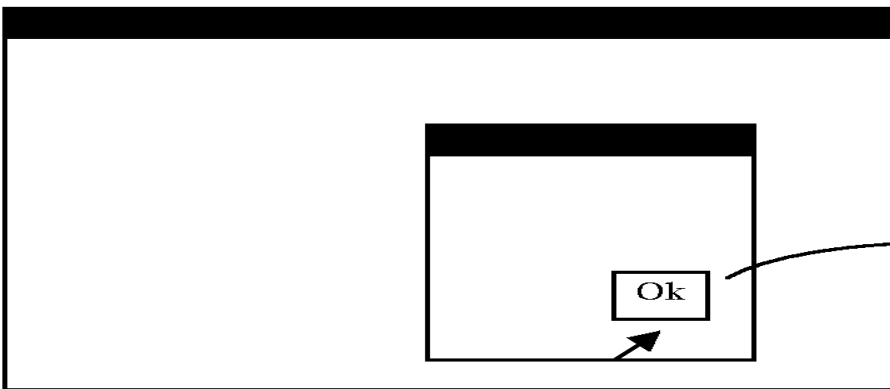
572




DialogActuator  
created

k+m  576

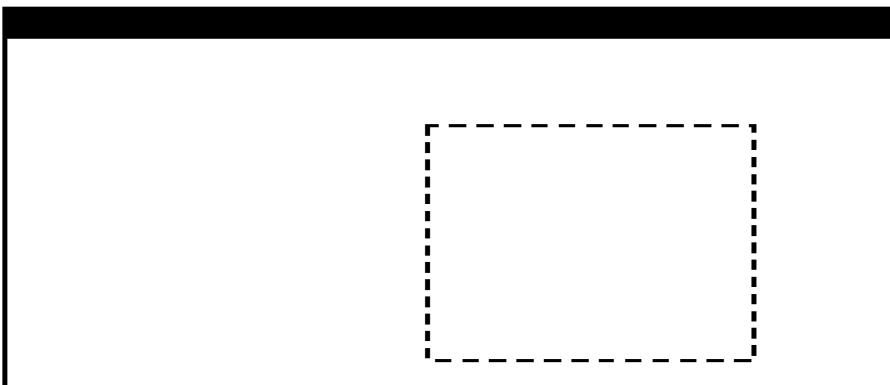
577



ClickOk Events

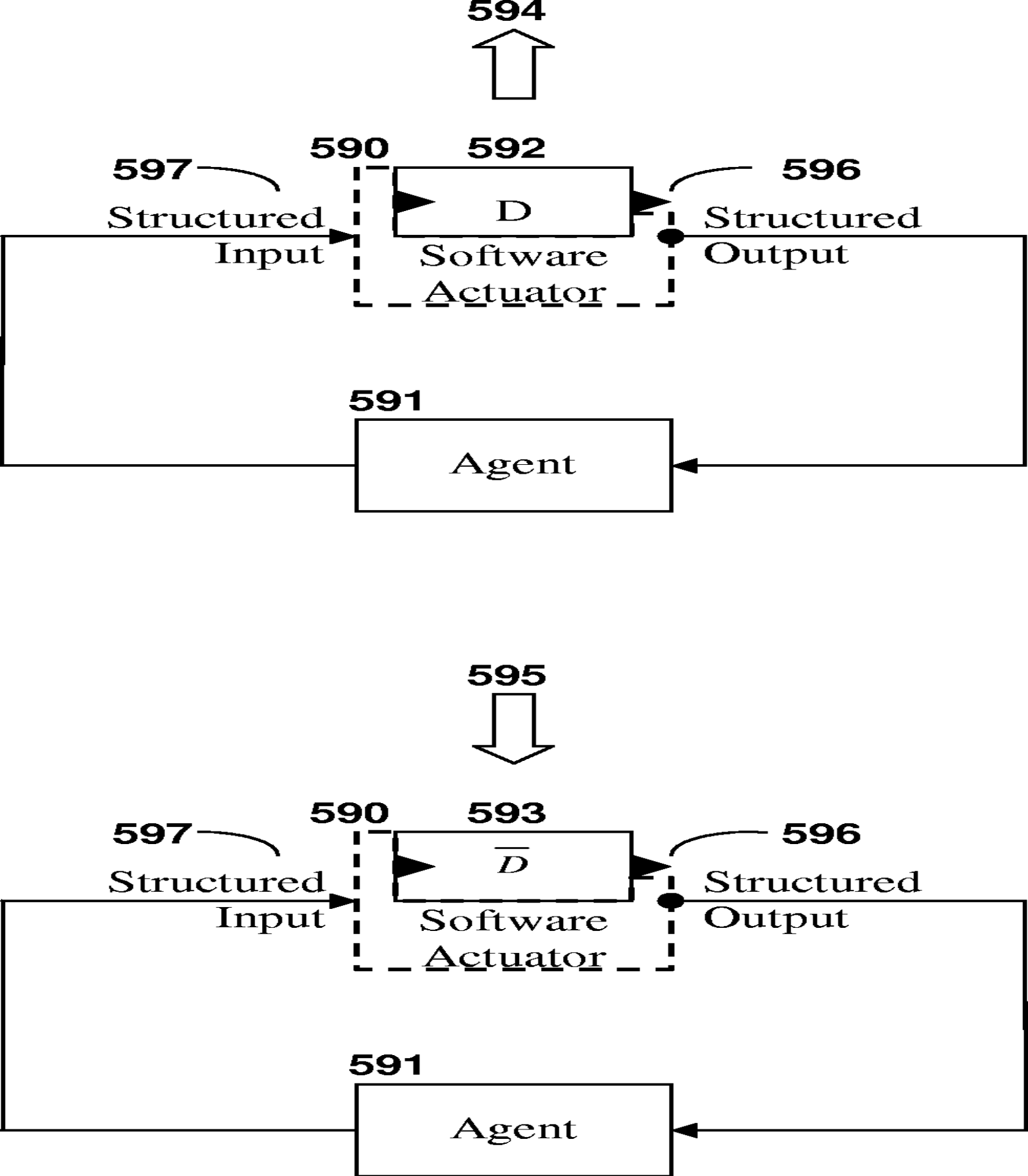
k+m+1  579

580



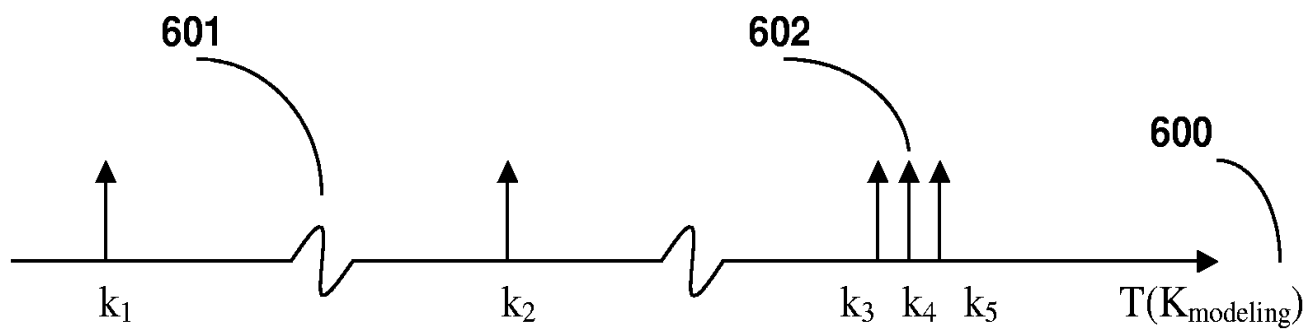
Dialog  
destroying

FIG. 5F



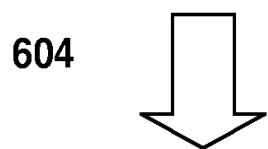
**FIG. 5G**



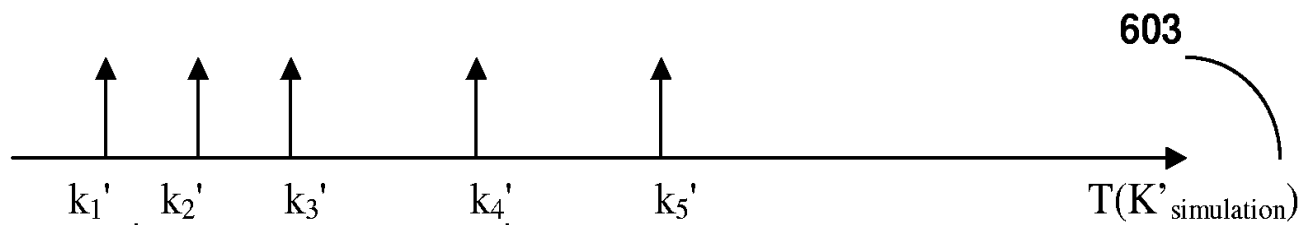


Compressing transformation  
 $H_c$

Stretching transformation  
 $H_s$



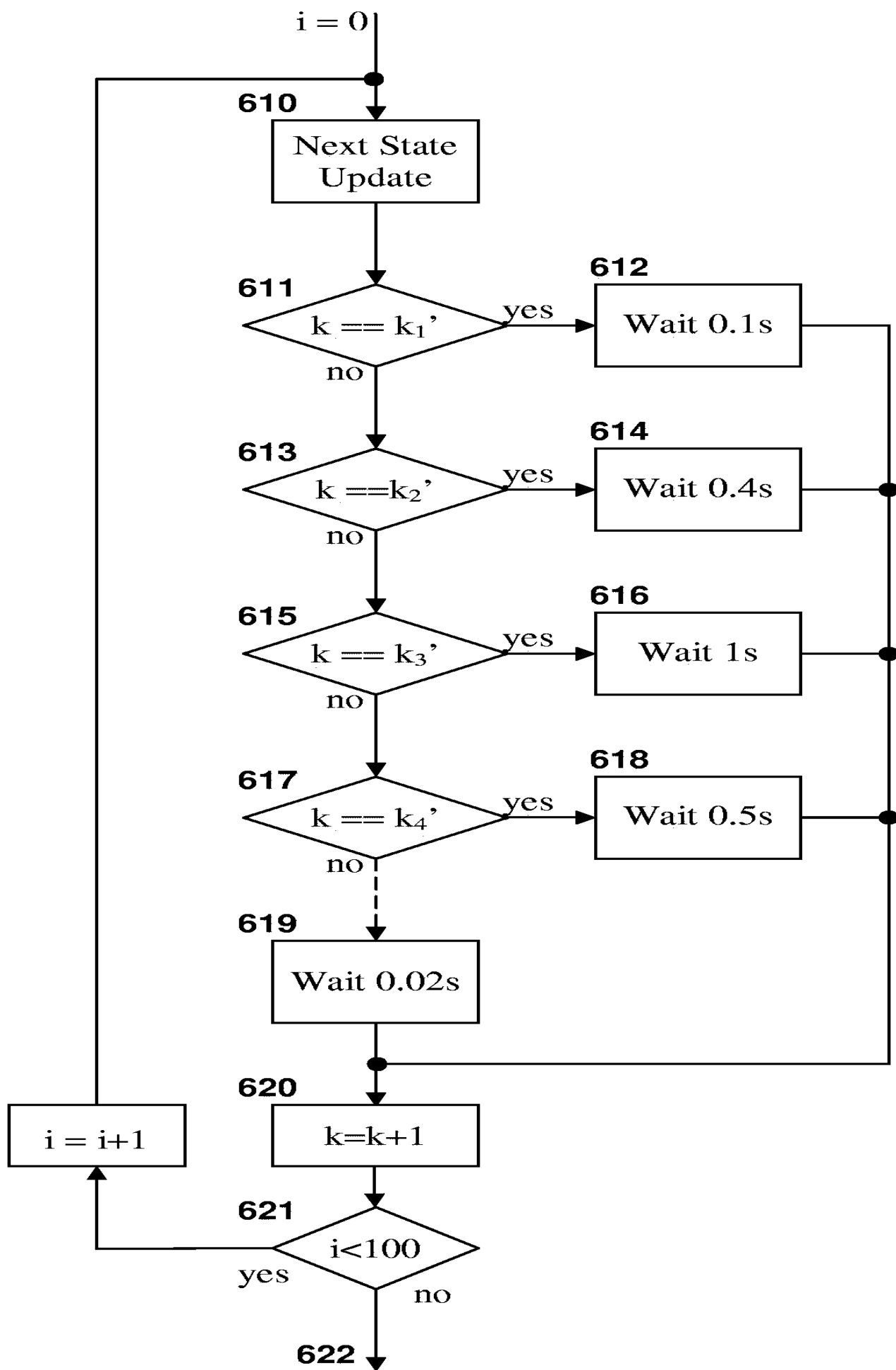
$$k_i' = H(k_i)$$



606

607

FIG. 6A



**FIG. 6B**

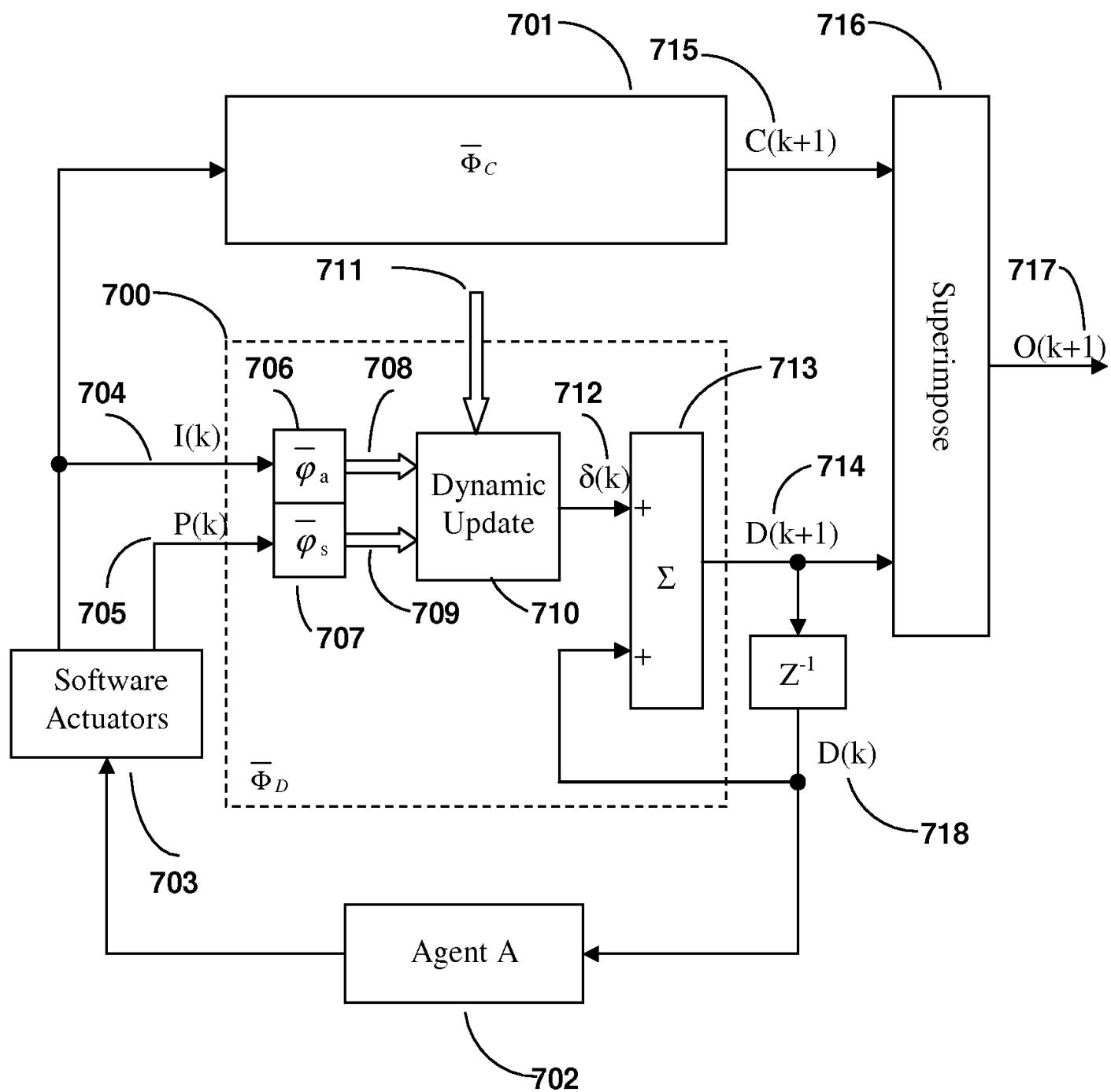


FIG. 7

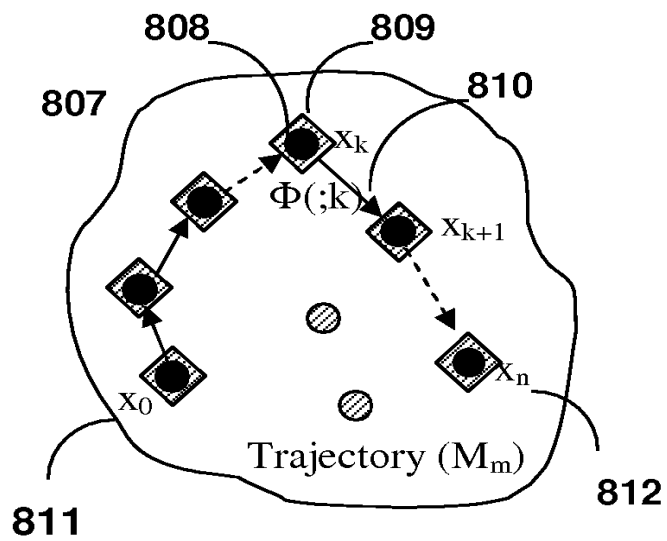
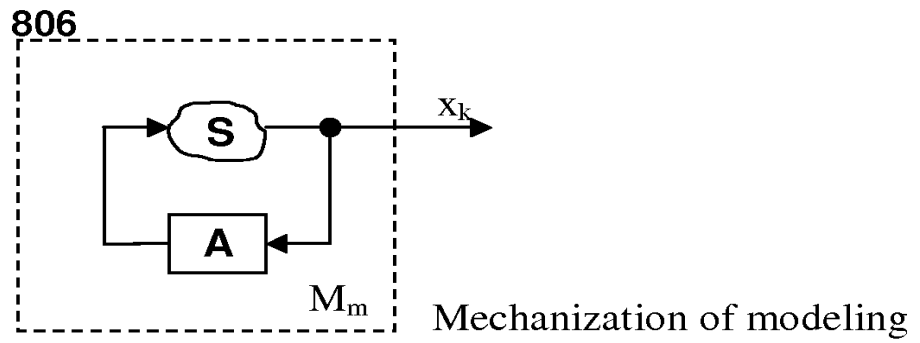
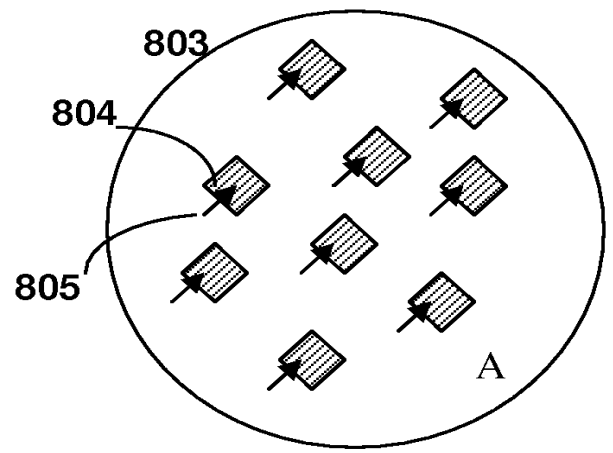
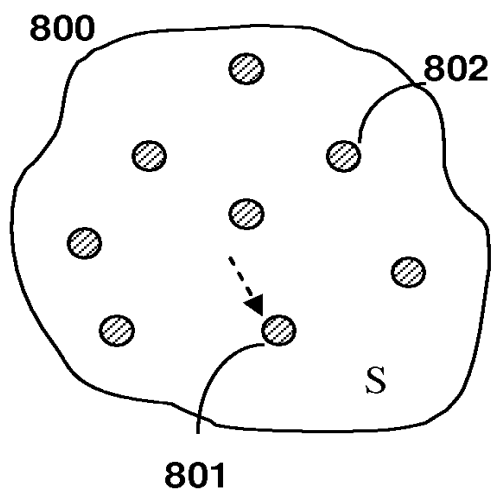


FIG. 8A

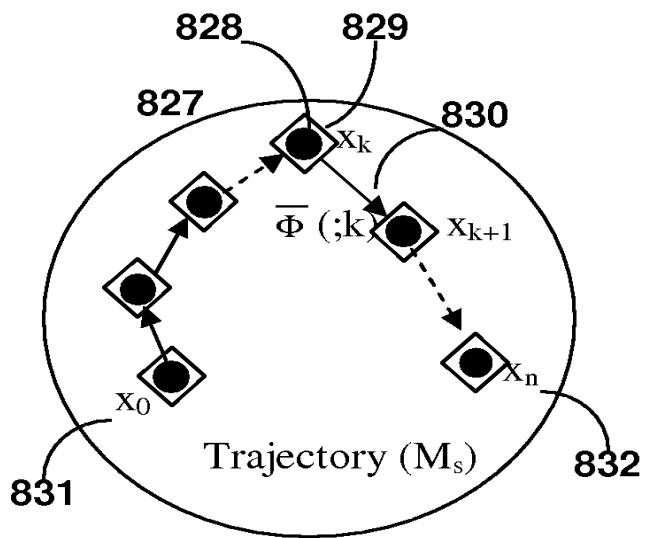
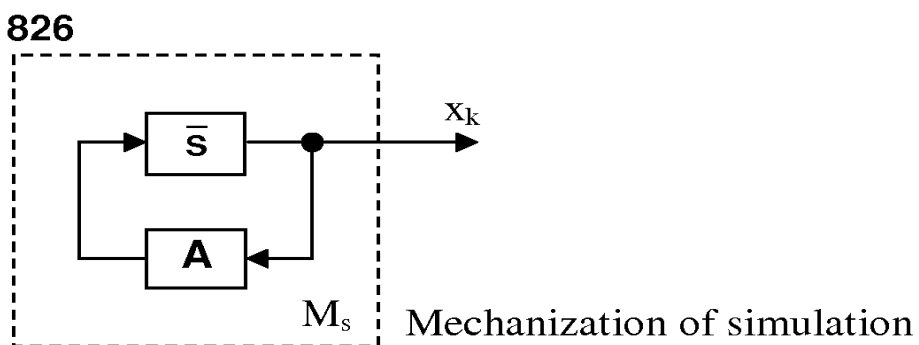
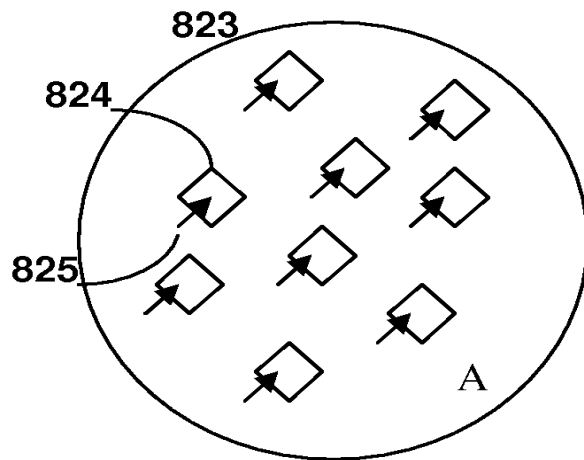
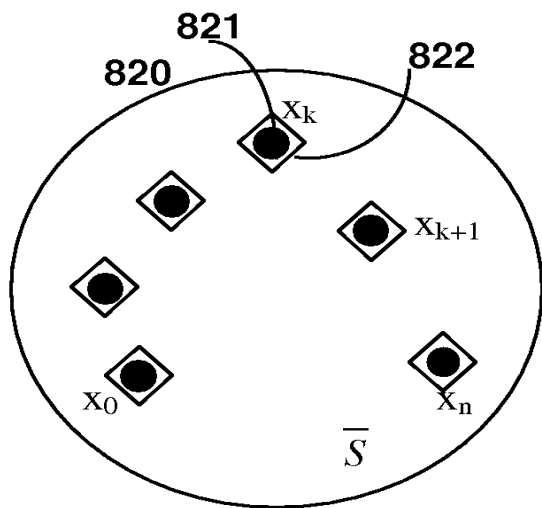


FIG. 8B

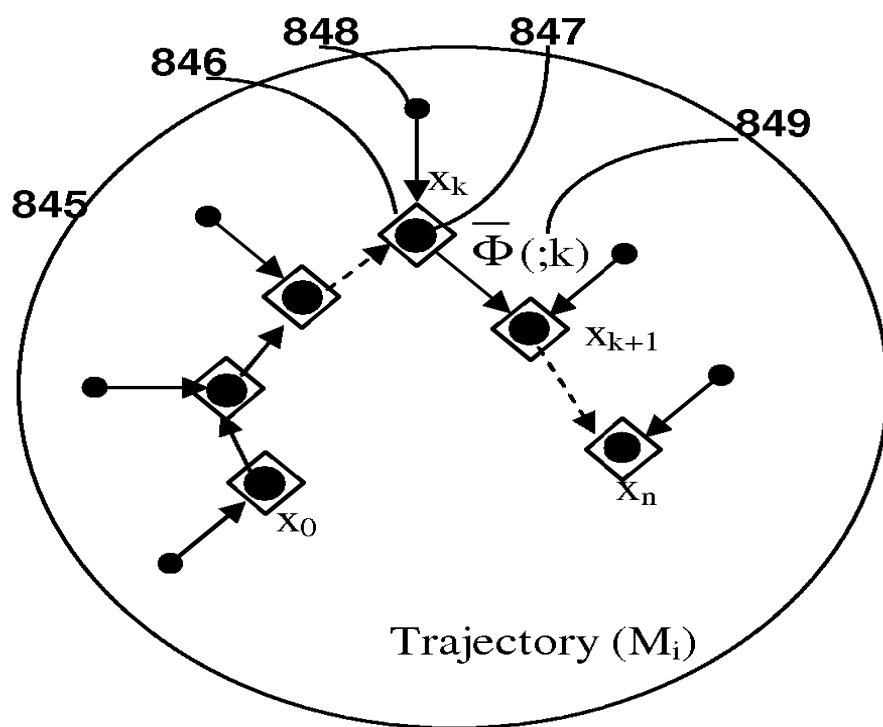
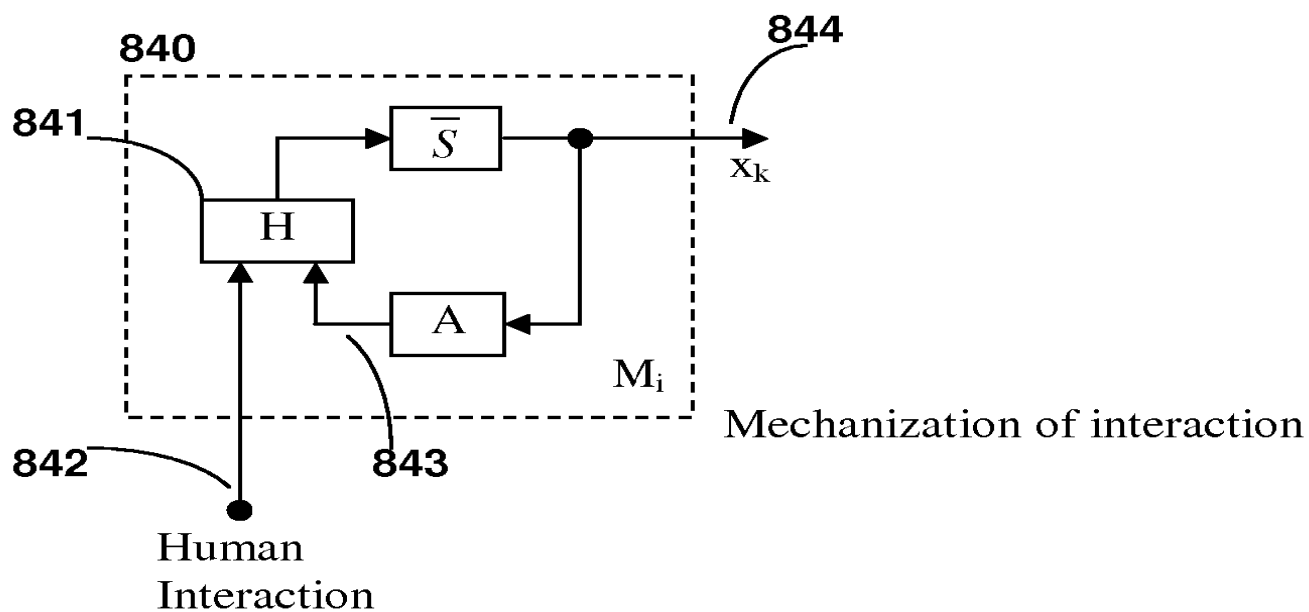


FIG. 8C

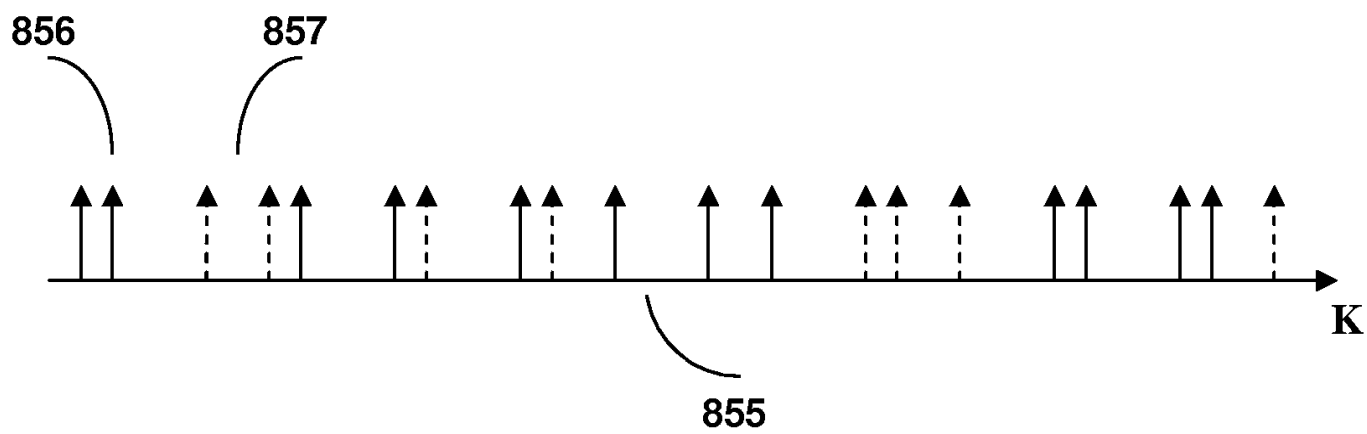
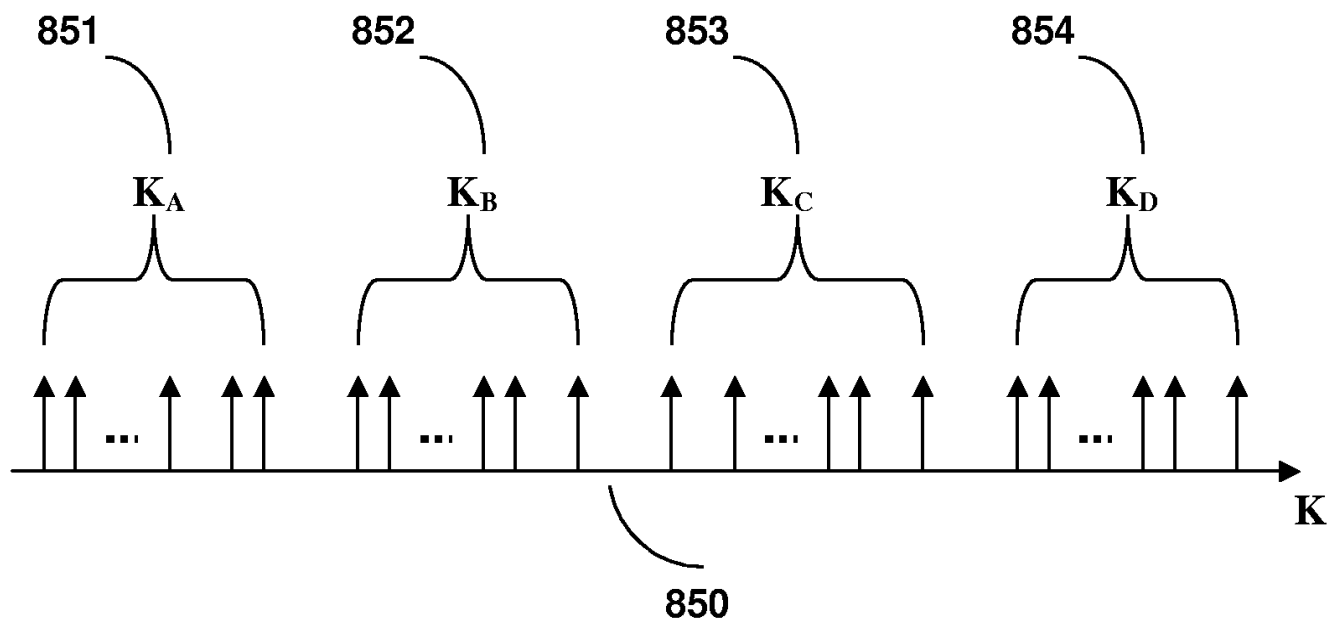
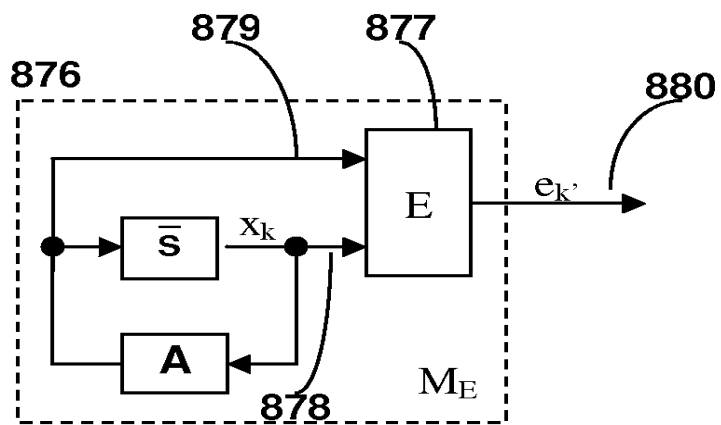
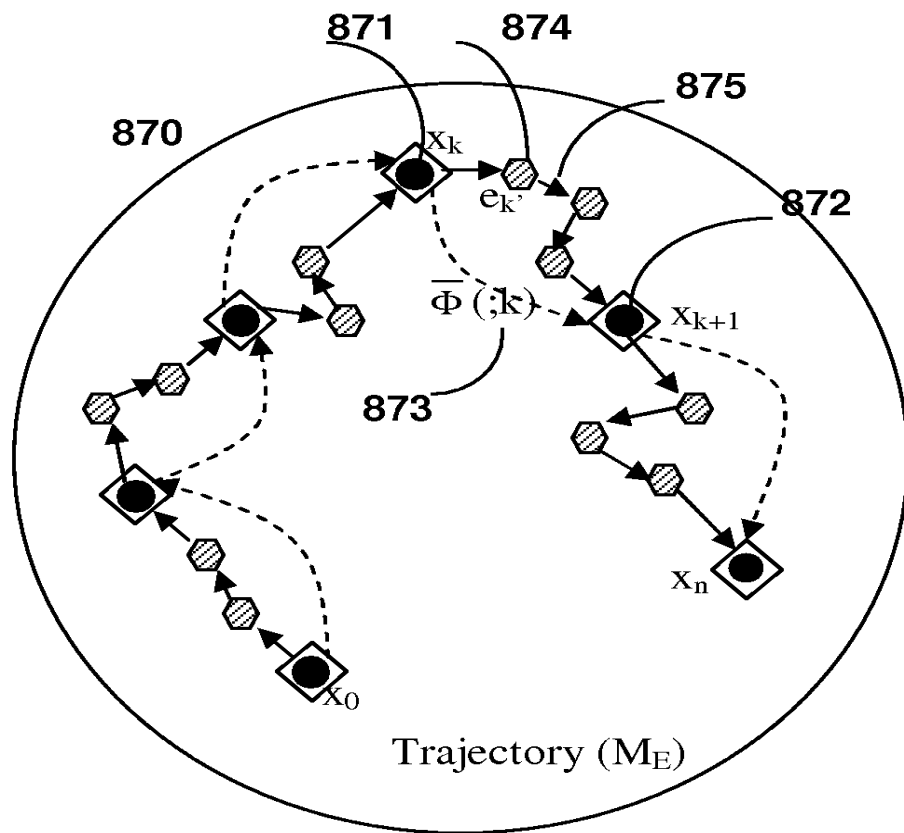


FIG. 8D







Mechanization of extension

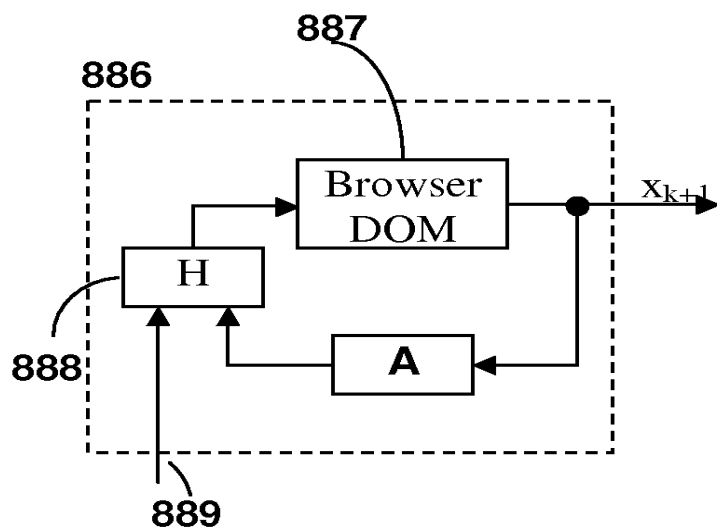
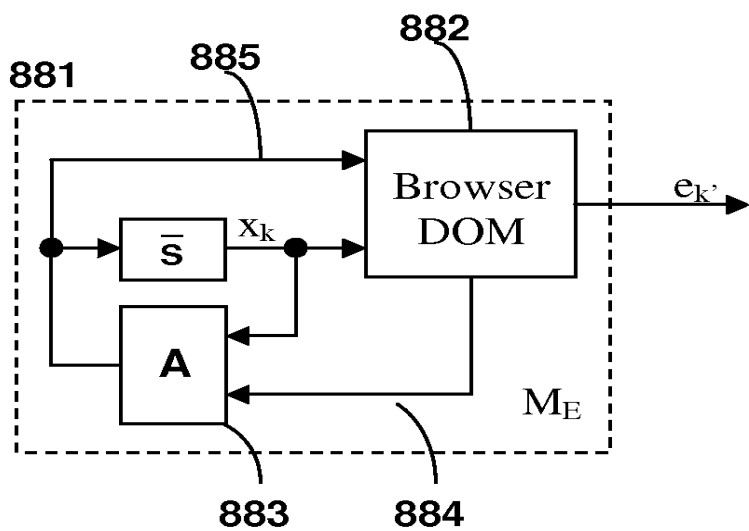


FIG. 8F

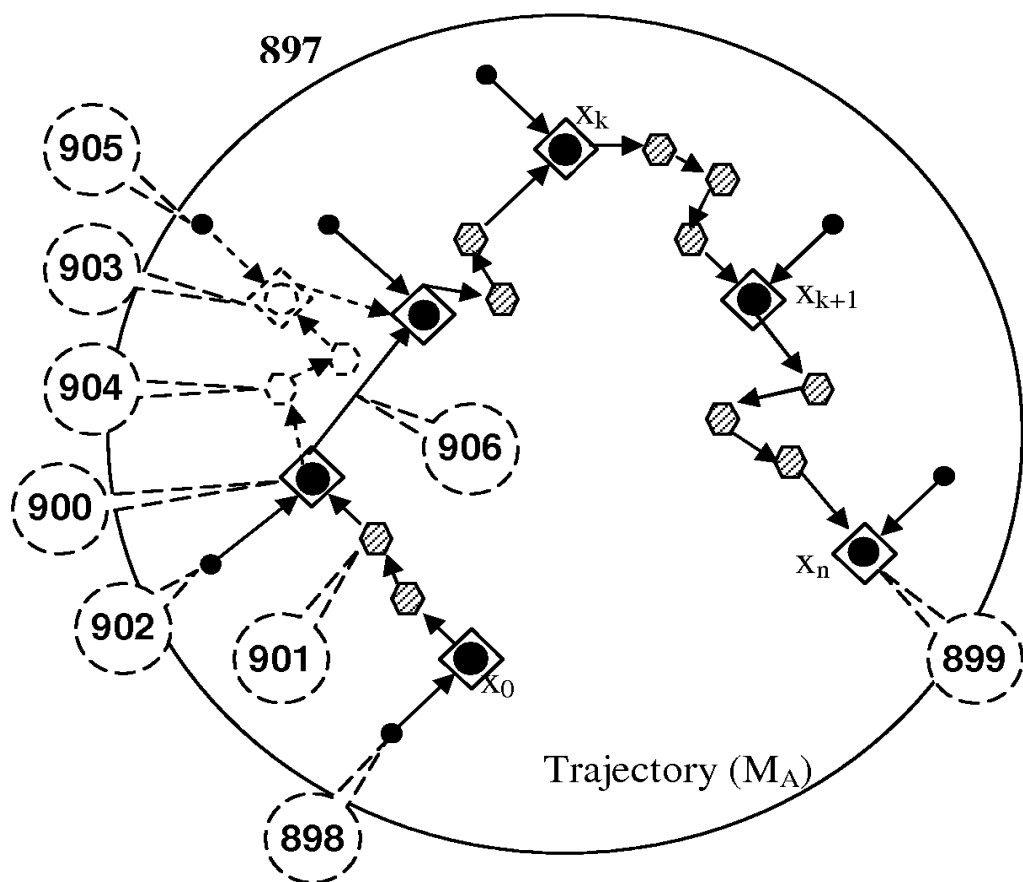
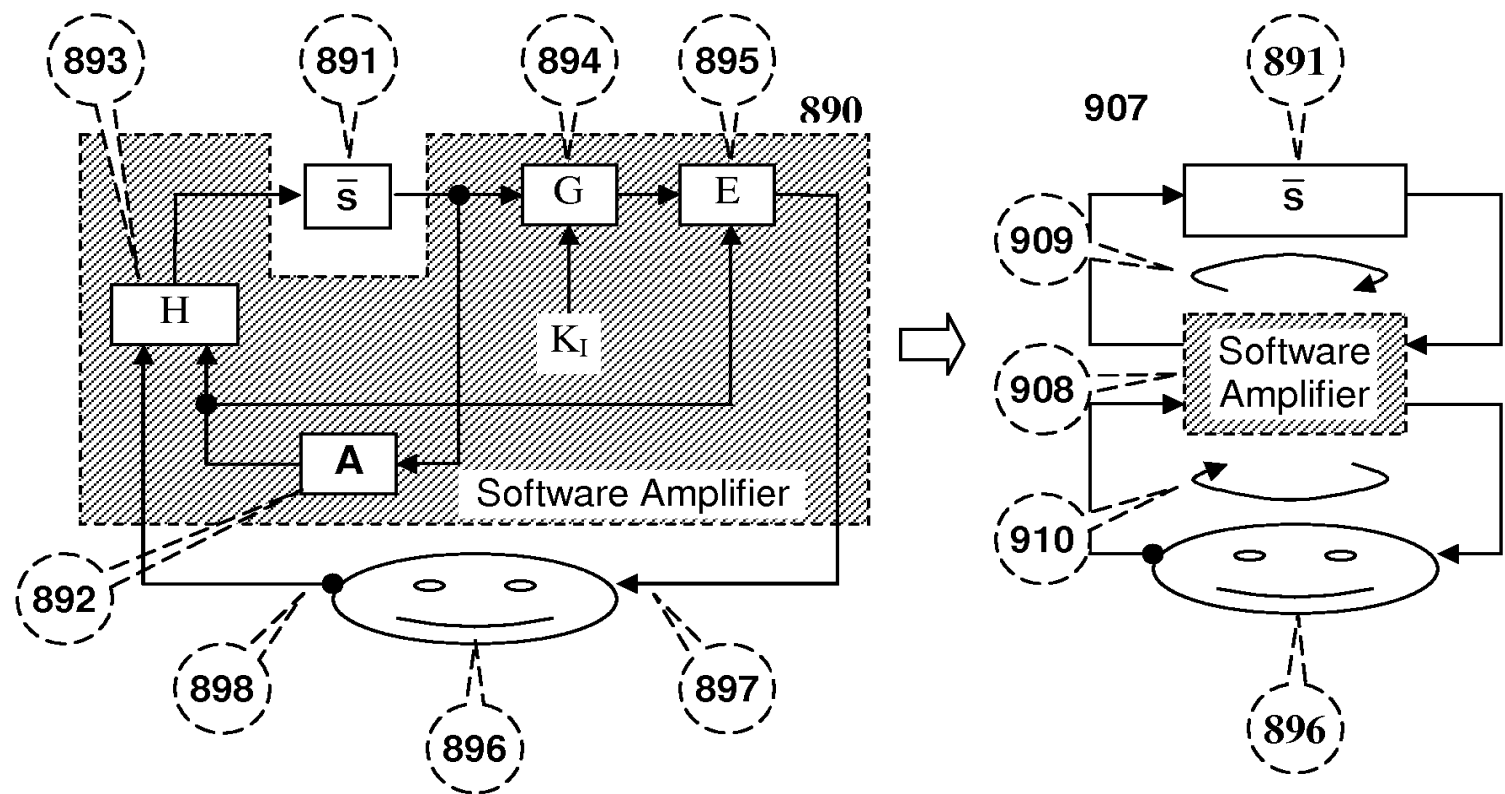


FIG. 8G

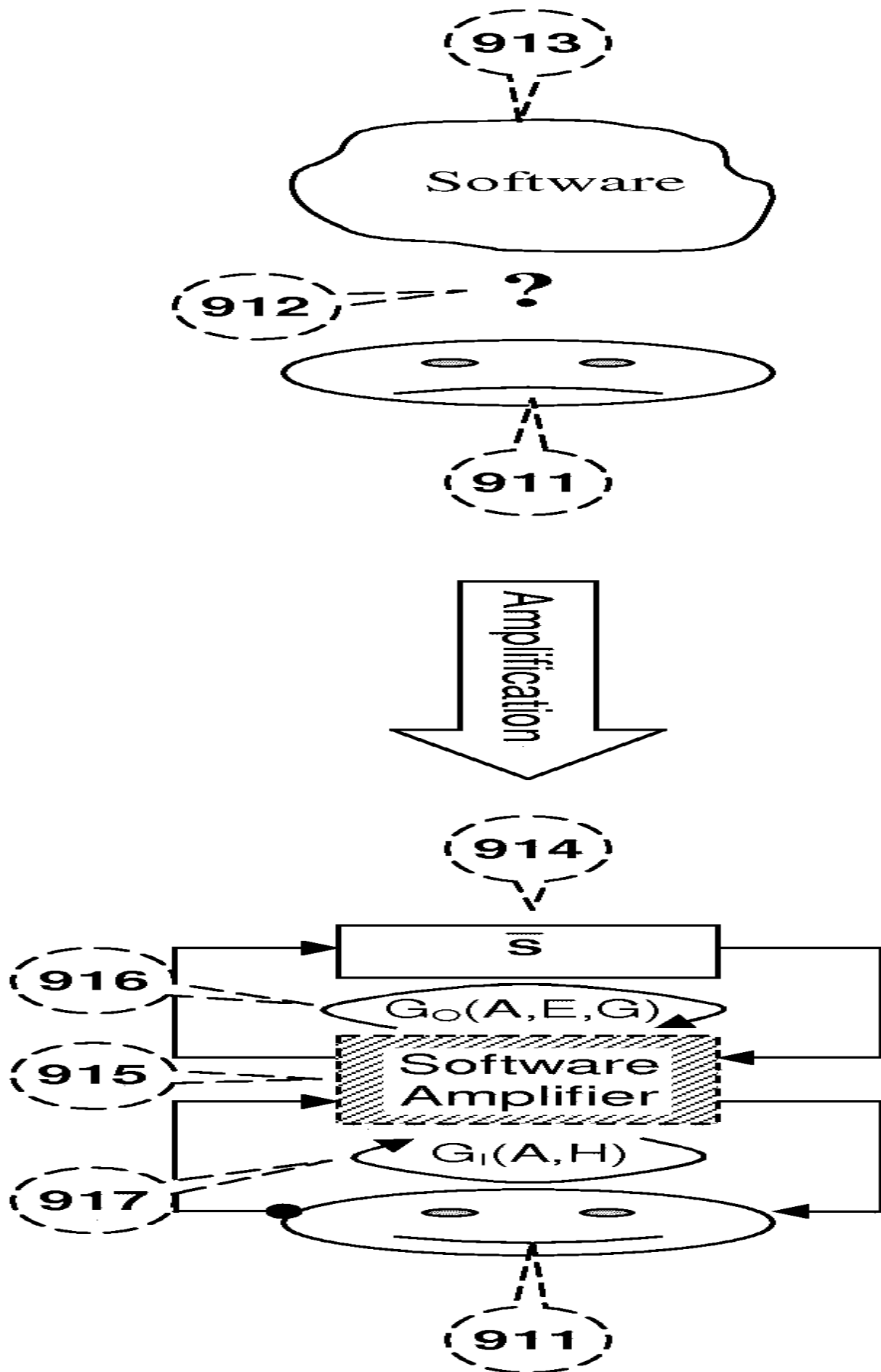


FIG. 8H

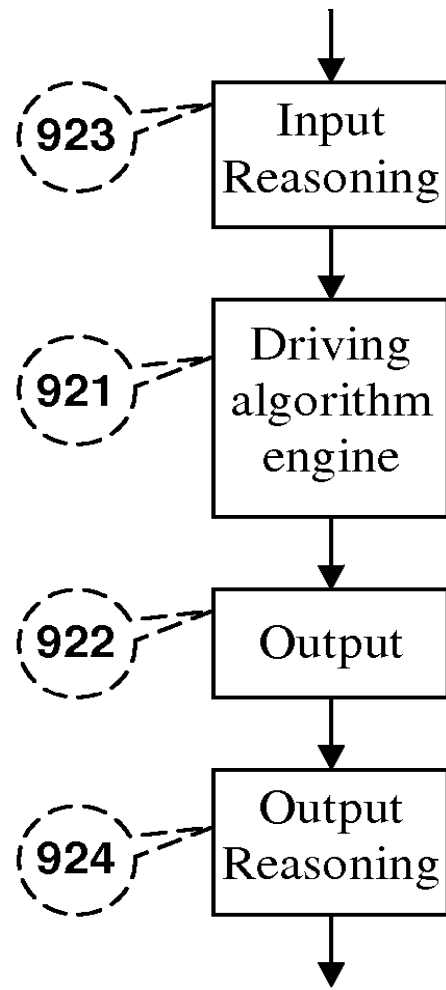
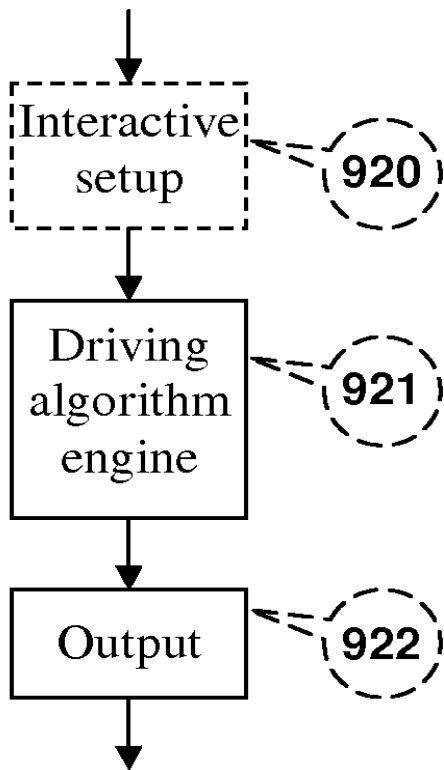


FIG. 8I

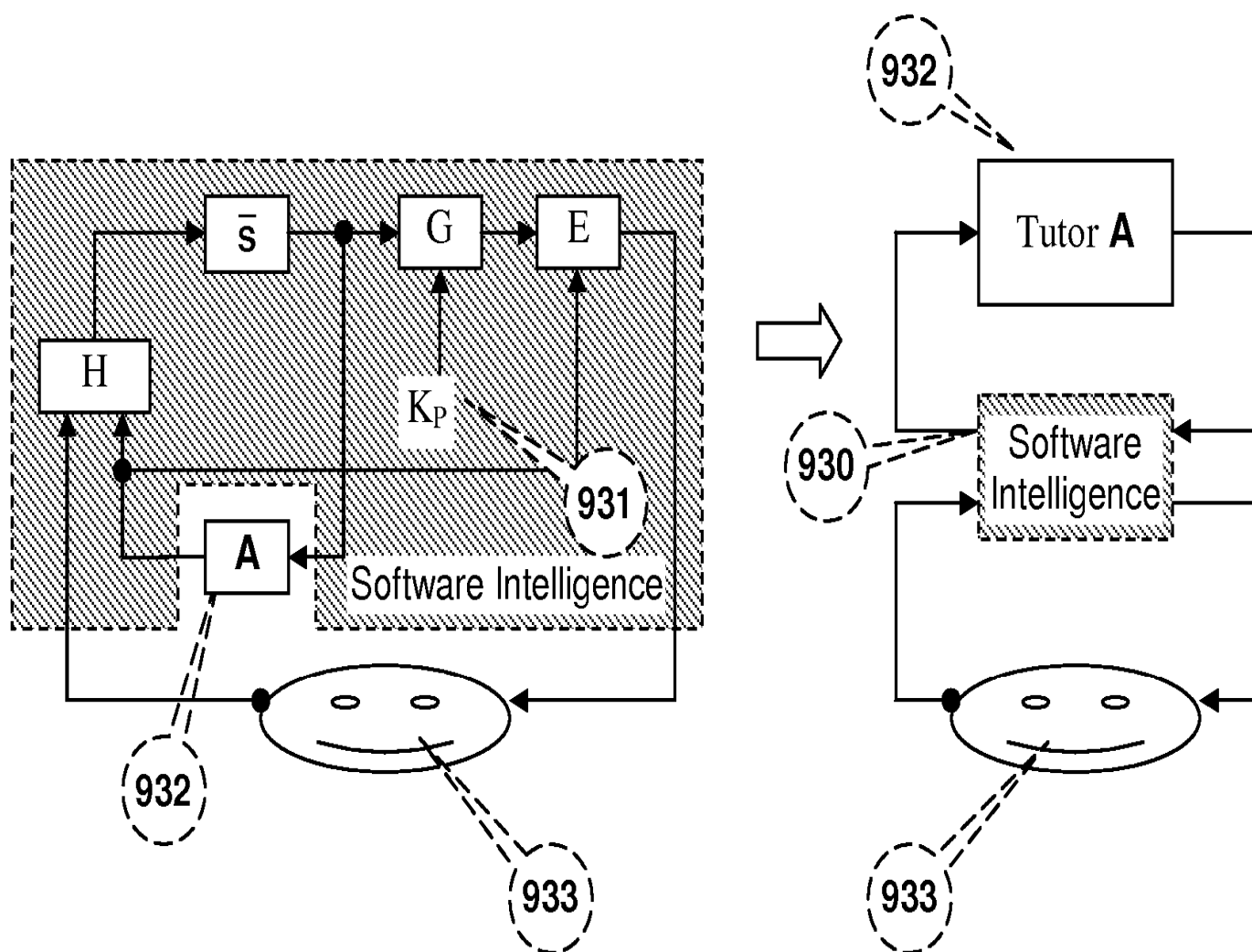


FIG. 8J

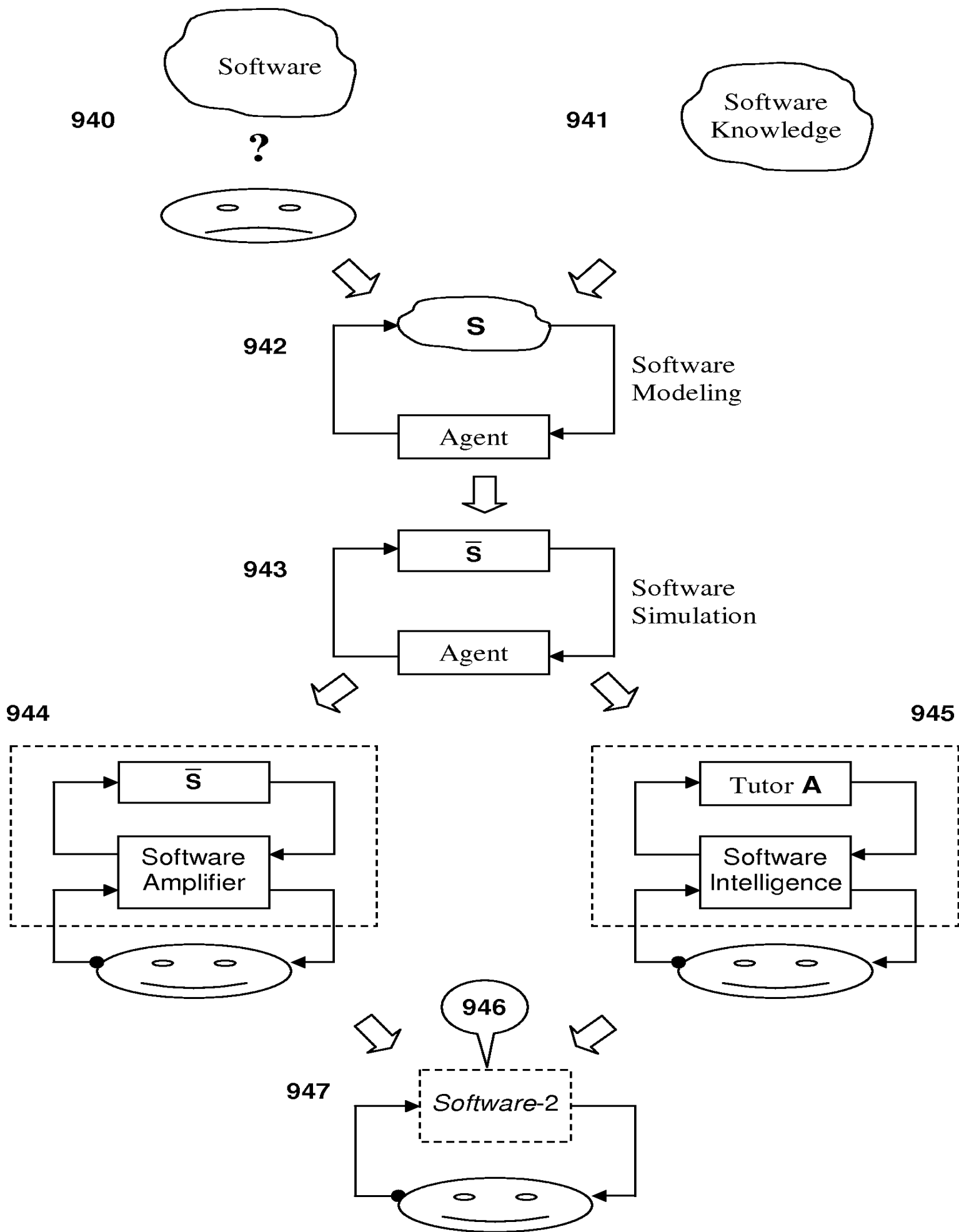


FIG. 9A

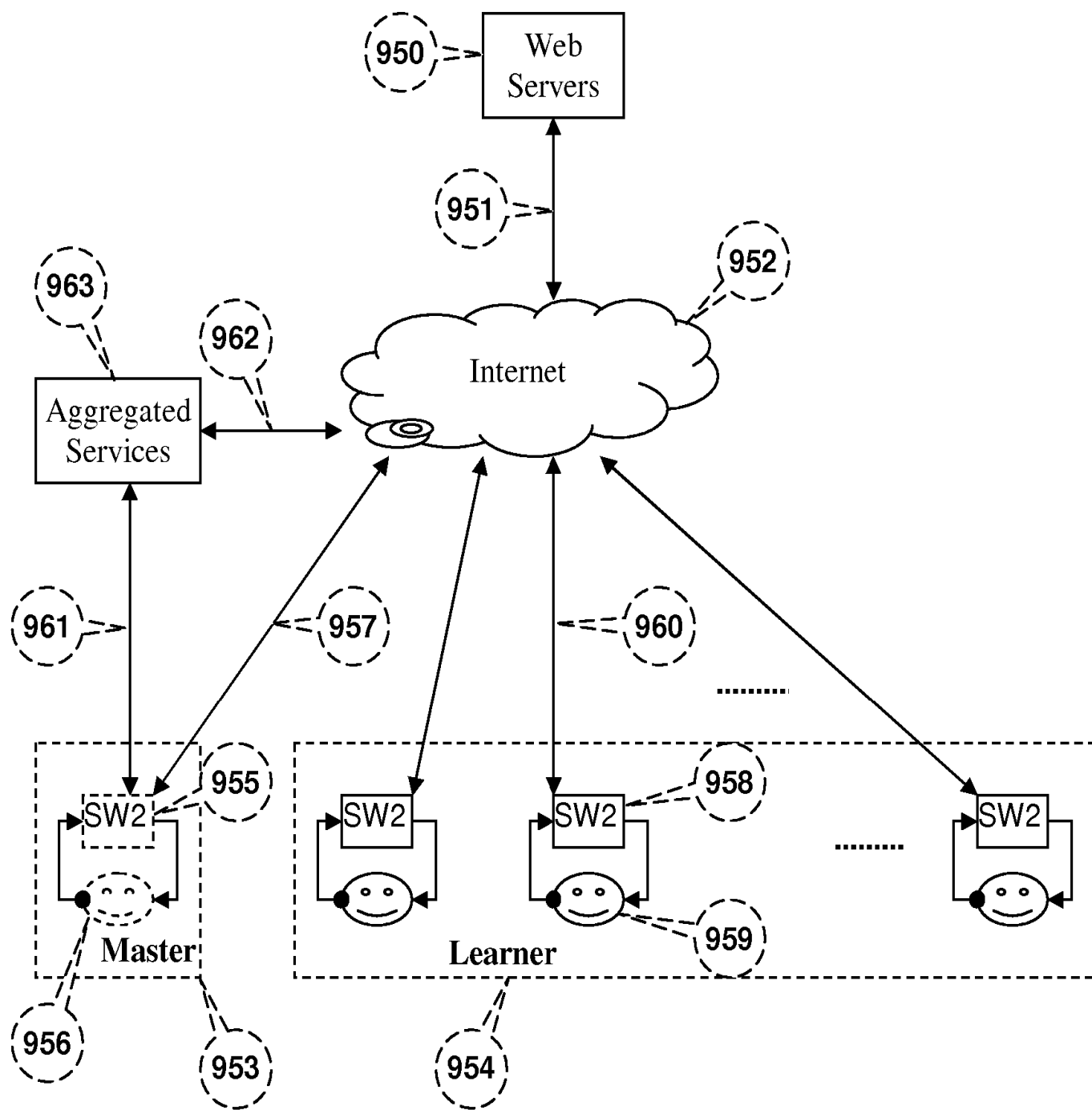


FIG. 9B

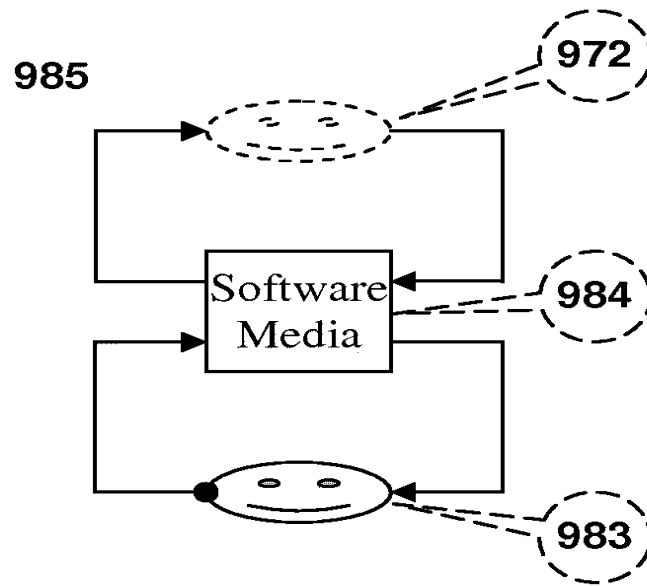
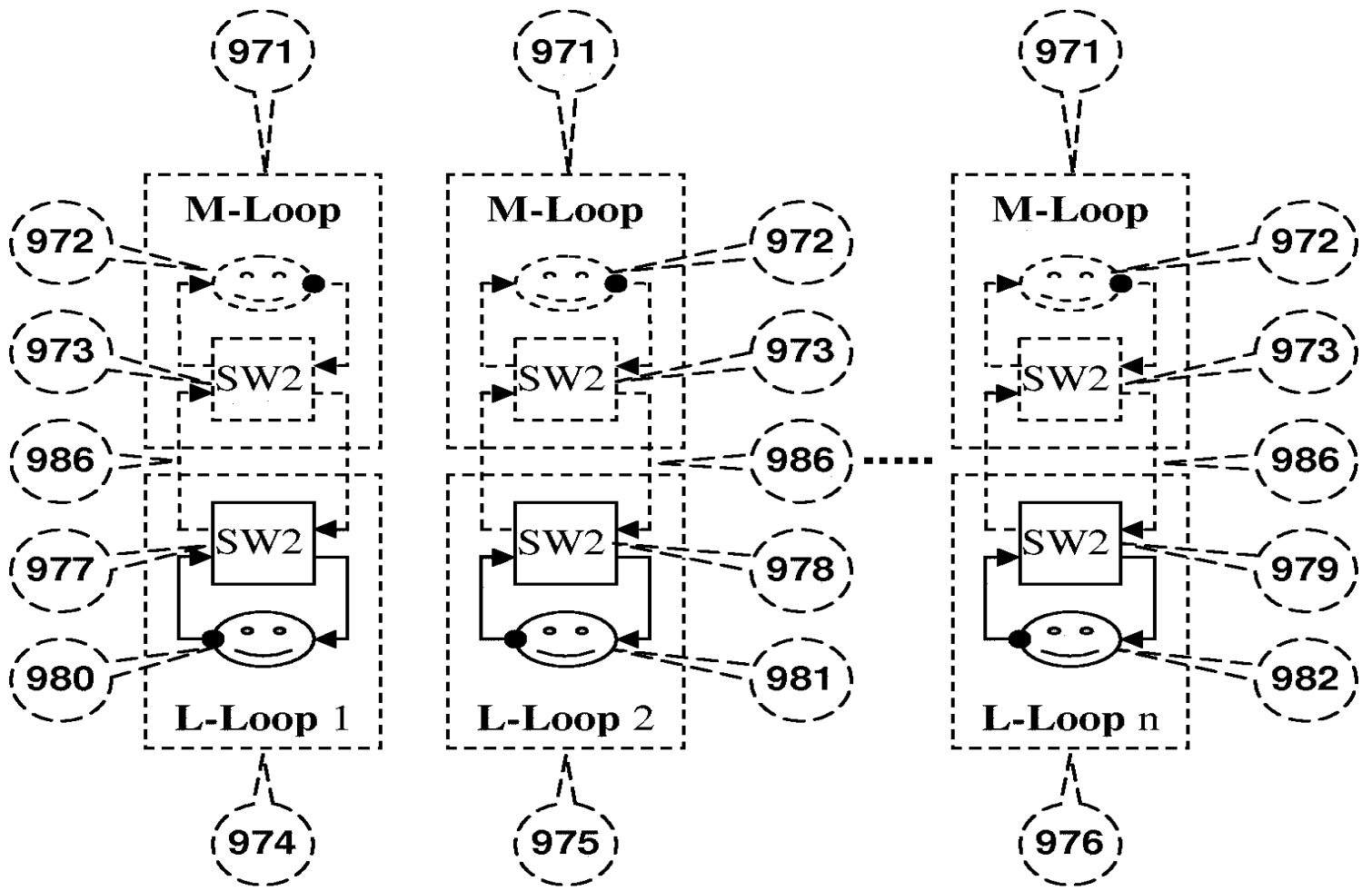
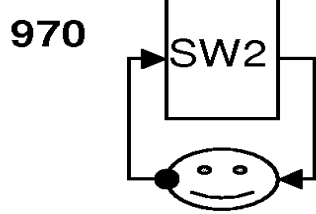


FIG. 9C



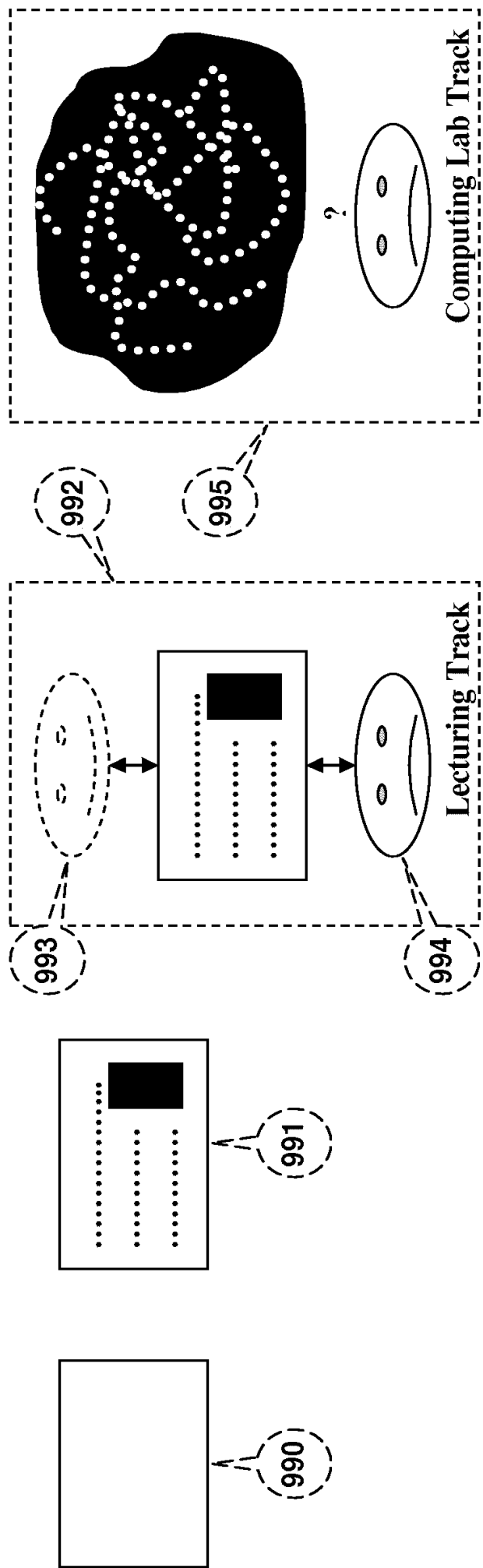


FIG. 9D

